

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ☐ ELECTRIC LOGS ☒ X WATER SANDS ☐ LOCATION INSPECTED ☐ SUB. REPORT/abd ☐

930325 Oper. Nm to Equitable Res. Energy Co, Balcron Oil Div.  
 Conf. Status Expired 10-16-93  
 Commenced Injection eff. 3-21-94

Rig Land Lease

DATE FILED **8-28-92**

LAND: FEE &amp; PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. **U-017439-B**

INDIAN

DRILLING APPROVED: **9-9-92**SPUDDED IN: **8-12-92**COMPLETED: **9-16-92 POW** PUT TO PRODUCING: **9-16-92**

INITIAL PRODUCTION:

**7 BOPD, 3 MCF, 13.5 BWPD**

GRAVITY A.P.I.

**34**

GOR:

**428**

PRODUCING ZONES:

**4527-4574 (Green River)**

TOTAL DEPTH:

**14700'**

WELL ELEVATION:

**5601' GR**

DATE ABANDONED:

FIELD:

**COYOTE BASIN**

UNIT:

COUNTY:

**UINTAH**

WELL NO.

**BALCRON COYOTE FEDERAL 42-6X****API NO. 43-047-32346**

LOCATION

**1986' FNL**

FT. FROM (N) (S) LINE.

**682' FEL**

FT. FROM (E) (W) LINE.

**SE NE**

1/4 - 1/4 SEC.

**6**

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

**8S****25E****6**

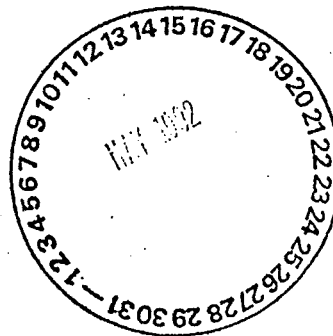
Equitable Resources Energy Co.  
**BALCRON OIL DIV.**



BALCRON OIL

A Division of  
Equitable Resources Energy Company

P.O. Box 21017  
1601 Lewis Avenue Building  
Billings, Montana 59104  
(406) 259-7860



May 11, 1992

-- VIA FEDERAL EXPRESS --

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

Gentlemen:

The following is in response to your APD deficiency letter for the Balcron Coyote Federal #42-6 in Section 6, T8S, R25E, Lease #U-017439-B:

1. It is my understanding that no archeological report is necessary since archeological clearance has already been obtained for this area.
2. We intend to use a 2M BOP system. A BOP diagram is attached.
- 3/4 Surface casing will be 8-5/8", 24#, J-55, ST&C, 8rd, new. Production casing will be 5-1/3", 15.5#, J-55, ST&C, 8rd, new.
5. Cement on the longstring will be a two-stage cement job with DV tool at approximately 2,000'. First stage: 90 sacks Halliburton Hifill with 10#/sx gilsonite tailed with 180 sx 50/50 poz containing 0.3% CFR-3, 1/4#/sx flocele, 0.5% Halad-24, and 10% salt. Second stage: 110 sacks Halliburton Hifill with 10#/sx gilsonite. NOTE: True volumes will be determined from the caliper log.

Please let me know if there is additional information needed in order to process our APD.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs  
Attachment

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Balcron Coyote Federal #42-6  
SE NE Section 6-T8S-R25E  
Uintah County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (see EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. Schematics of the BOP equipment and choke manifold will be provided as soon as a drilling contractor has been chosen. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. The annular preventer will be tested to 500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE layout will be provided as soon as a drilling contractor is chosen. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Duchesne River formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following two attachments:

Drilling Program (EXHIBIT "D")  
Geologic Prognosis (EXHIBIT "C")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon as the BLM approves all requirements included in this APD.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.



Multi-Point Surface Use and Operations Plan

1. Existing Roads: Refer to Maps "A" & "B" (shown in RED)

- A. The proposed well site is staked and four reference stakes are present. 175' & 225' W and 200' & 250' N
- B. The Coyote Federal #42-6 is located approximately 35 miles Southeasterly from Vernal Utah, in the NW1/4 SE1/4 Section 5, T8S, R25E, SLB&M, Uintah County, Utah. To reach the 33-5, proceed East from Vernal, Utah along U.S. Highway 40 for 24 miles to the junction of this highway and Utah State highway 45; Proceed South along Utah State Highway 45 approximately 9.3 miles to the proposed access road sign. Follow flags 100' to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to Map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

2. Planned Access Roads: Refer to Map "B" (shown in GREEN)

Approximately 100 feet of new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.
- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely.

Traveling off the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - 3%
  - D. Turnouts - no turnouts will be required.
  - E. Drainage design - the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide for proper drainage along the access road route.
  - F. Culverts, cuts and fills - no culverts will be required. There are no major cuts and/or fills on/along the proposed access road route.
  - G. Surface materials - any construction materials which may be required for surfacing of the access road will be purchased from a local contractor having a permitted source of materials in the area, if required by the Authorized Officer, Bureau of Land Management. None anticipated at this time.
  - H. Gates, cattleguards or fence cuts - none required.
  - I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.
  - J. The proposed access road has been centerline flagged.
3. Location of Existing Wells Within a One-Mile Radius:

Please Refer to Map "B"

- A. Water wells - none known.
- B. Abandoned wells - see Map "B"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "B".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:

A. Existing

- 1. Tank batteries - see Map #B.
- 2. Production facilities - see Map #B.
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map #B.

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via "Sundry Notice" (Form 3160-5) for approval of subsequent installation operations.
- 3. Production facilities will be accommodated on the existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. The standard Antelope stipulation which states that construction, drilling, and other development activity will not be allowed from May 15 to June 20 was waived at the onsite inspection by the Bookcliff Resource Area wildlife biologist.

5. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted a flat, nonreflective, earthtone color to match one of the standard environmental colors, as determined by the Five (5) State Rocky Mountain Interagency Committee. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

The required paint color is Carlsbad Tan or Desert Tan.

- C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

- F. Any proposed pipelines will be submitted to the authorized offices Via Sundry Notice for approval of subsequent operations.
- G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

5. Location and Type of Water Supply

- A. Water to be used for the drilling of these wells will be hauled by truck over the roads described in item #1 and item #2 from the White River. Permit by Dalbo for this water is pending.

- B. No water well will be drilled on this location.

## 6. Source of Construction Materials

- A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.
- B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

- C. All surface disturbance area is on B.L.M. lands.
- D. There are no trees on this location or along the proposed access road.

## 7. Methods of Handling Waste Materials:

- A. Cuttings - the cuttings will be deposited in the reserve/blooiie pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve/blooiie pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within ninety (90) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a

lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

#### 8. Ancillary Facilities:

None anticipated.

#### 9. Wellsite Layout:

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts

and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. The topsoil will be windrowed along the doghouse side of location. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles.

- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There will be two or three trailers on location during drilling operations.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations.
- D. The reserve pit and the blooie pit will be constructed as a combination pit capable of holding 12,000 bbls. of fluid. This size of pit will be approximately equivalent to four times the T.D. hole volume. The blooie pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the well site location.

The reserve pit will not be lined unless requested by the B.L.M. or unless it is deemed necessary by Equitable Resources. If a plastic-nylon reinforced liner is used, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- E. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
  - 1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
  - 2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
  - 3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

- F. Any hydrocarbons on the pit will be removed from the it as soon as possible after drilling operations are completed.

#### 10. Plans for Reclamation of the Surface:

The B.L.M. will be contacted prior to commencement of any reclamation operations.

##### A. Production

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. If a plastic or nylon reinforced pit liner is used, it shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within ninety (90) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.



If the well is abandoned/dry hole, Equitable Resources Energy Company will, restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or disked prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seedbed will be prepared by disking, then roller packing following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 1 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with a seed mixture to be recommended by the Bureau of Land Management.

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 1 and prior to ground frost. Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

#### B. Dry Hole/Abandoned Location

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:

(a) re-establishing irrigation systems where

applicable,

(b) re-establishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and,

(c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at the time of abandonment.

2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeded operations will be performed in the fall or spring following completion of reclamation operations.

#### 11. Surface Ownership:

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management  
Vernal District Office  
Vernal, Utah

#### 12. Other Information:

A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Coyote Basin oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 16 miles North of the White River, which is the major drainage for this area, and approximately 9 miles north of Bonanza Utah, the closest occupied dwellings to this area.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes pinon and juniper trees, sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.
- C.
  - 1. The closest live water is the White River which is approximately 16 miles South of the proposed site.
  - 2. There are no occupied dwellings in the immediate area
  - 3. An archaeological report will be forwarded upon completion, unless this requirement is waived by the Bookcliff Resource Area archaeologist.
  - 4. There are no reported restrictions or reservations noted on the oil and gas lease.

13. OPERATOR'S REPRESENTATIVES:

Balcron Oil, a division of Equitable Resources Energy Company  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, Montana 59104  
(8:00 a.m. to 5:00 p.m.)  
(406) 259-7860  
FAX: (406) 245-1361

Dave McCoskery, Drilling Engineer  
Home: (406) 248-3864

Steve Durrett, Engineering Manager  
Home: (406) 652-9208

14: CERTIFICATION:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

A complete copy of the approved Application for Permit to Drill will be onsite during all construction and drilling operations.

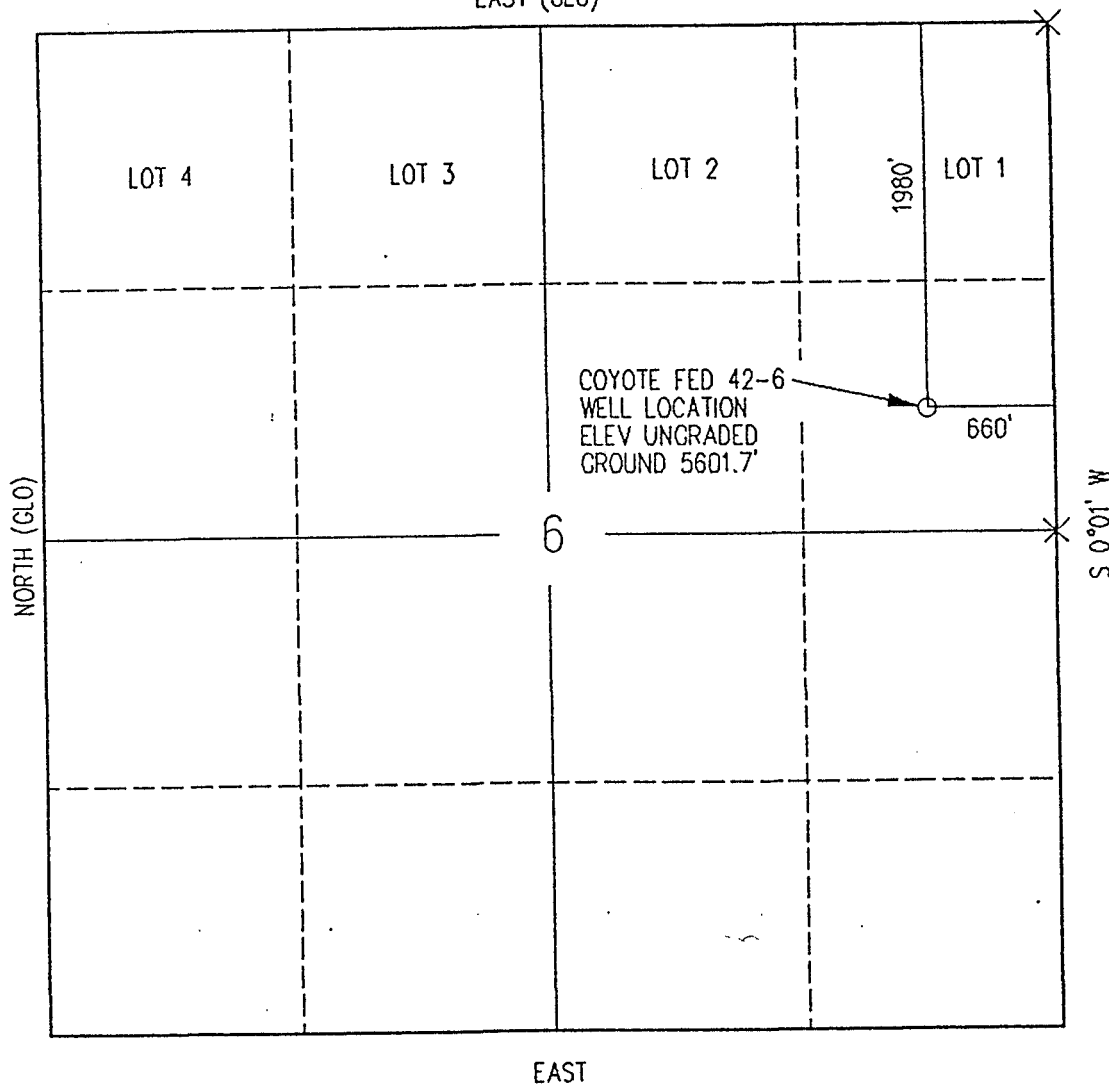
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Balcron Oil, a division of Equitable Resources Energy Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

April 27, 1992  
Date

Bobbie Schuman  
Bobbie Schuman  
Coordinator of Environmental  
and Regulatory Affairs

T8S, R25E, S.L.B. & M.

EAST (GLO)



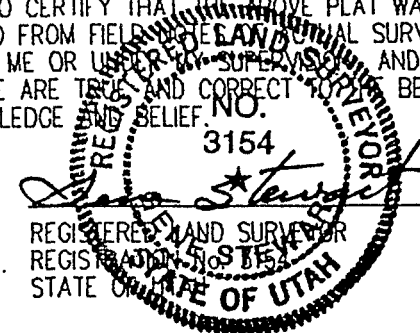
X = SECTION CORNERS LOCATED  
BASIS OF BEARINGS; G.L.O. PLAT 1911  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (DINOSAUR NORTHWEST)

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, COYOTE FED. 42-6,  
LOCATED AS SHOWN IN THE SE 1/4 NE 1/4  
OF SECTION 6, T8S, R25E, S.L.B. & M,  
UNITA COUNTY UTAH.



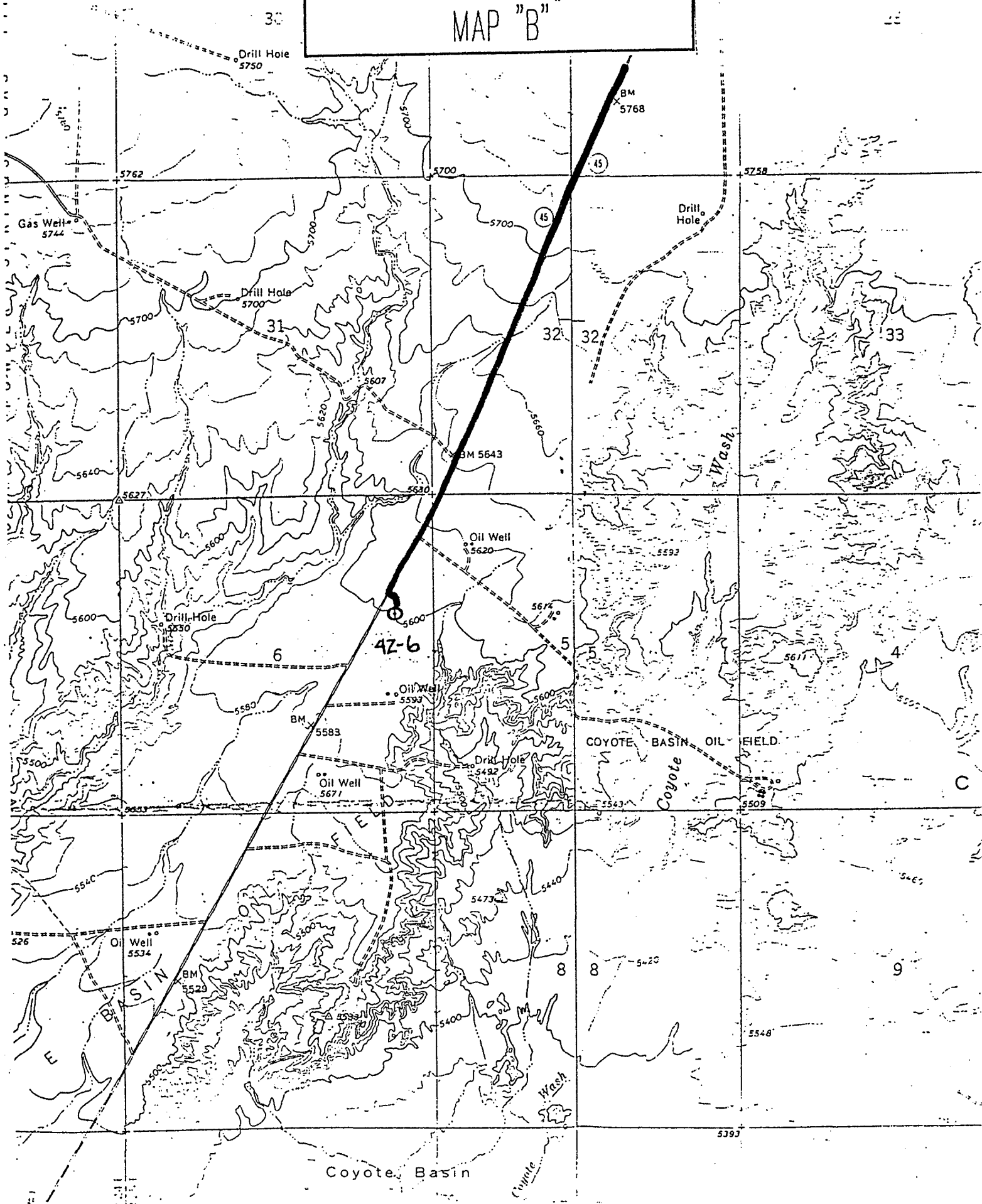
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD AND OFFICE SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.



TRI STATE LAND SURVEYING & CONSULTING  
38 EAST 100 NORTH, VERNAL, UTAH 84078  
(801) 781-2501

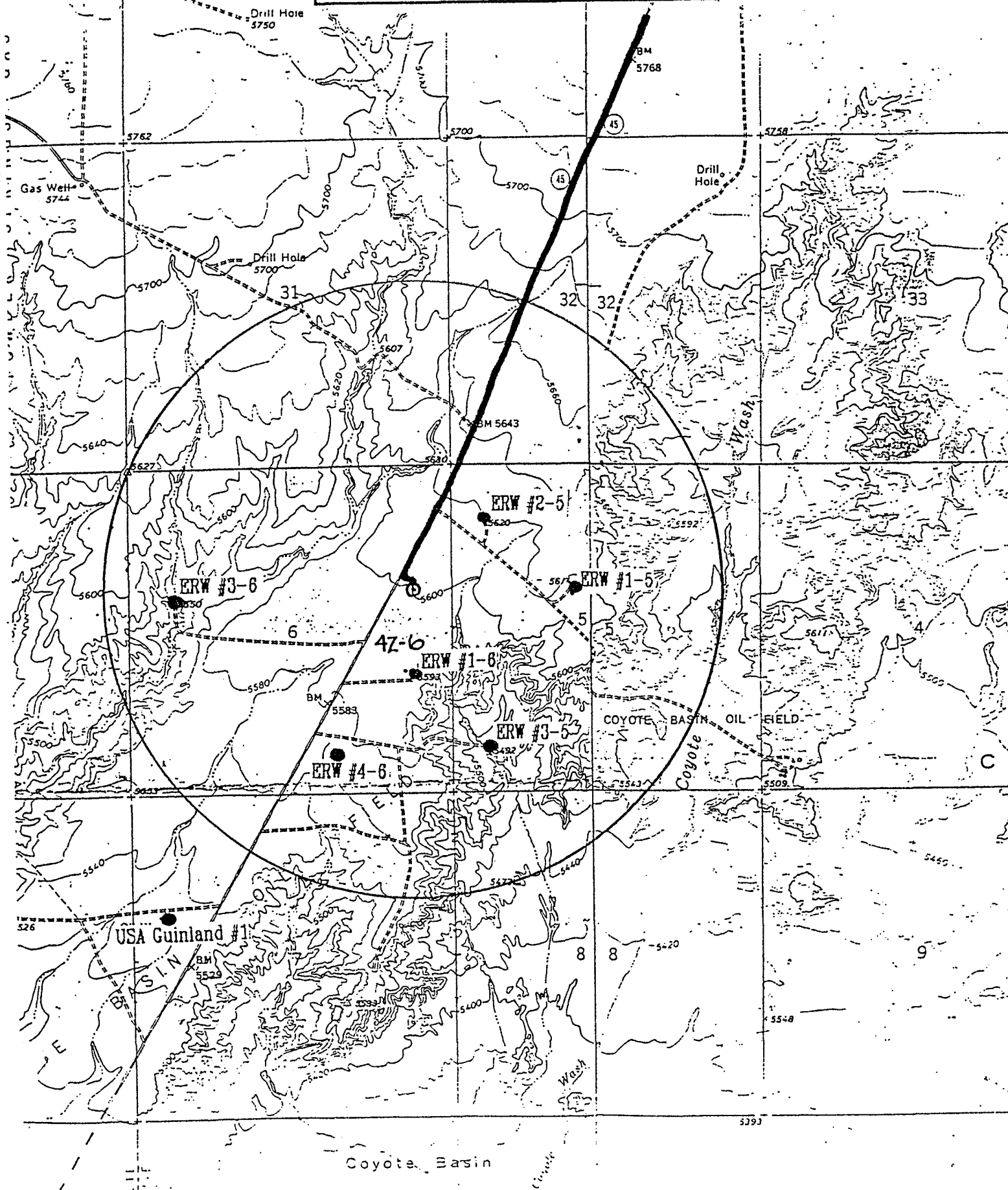
SCALE: 1" = 1000'	SURVEYED BY: SS KH
DATE: 2/25/92	WEATHER: CLEAR & COOL
NOTES:	FILE # COYOTE FED #42-6

QUITABLE RESOURCES ENERGY CO. ANY  
COYOTE FEDERAL #42-6  
MAP "B"



QUITABLE RESOURCES ENERGY CO., INC.  
COYOTE FEDERAL #42-6  
MAP "C"

EXHIBIT "F"  
Page 4 of 4





# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

May 28, 1992

Equitable Resources Energy Company  
P.O. Box 21017  
Billings, Montana 59104

Gentlemen:

Re: Balcron Coyote Federal 42-6 Well, 1980 feet from the north line, 660 feet from the east line, SE 1/4 NE 1/4, Section 6, Township 8 South, Range 25 East, Uintah County, Utah

Pursuant to Utah Code Ann. § 40-6-6, (1953, as amended) and the order issued by the Board of Oil, Gas and Mining in Cause No. 129-6 on May 27, 1992, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Submittal to the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. § 73-3, Appropriations, prior to commencing drilling operations.
2. Submittal of BOP equipment and choke manifold schematic diagrams in accordance with Utah Admin. R649-3-4-2.6.3.
3. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
4. Notification within 24 hours after drilling operations commence.
5. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
6. Submittal of the Report of Water Encountered During Drilling, Form 7.



Page 2  
Equitable Resources Energy Company  
Balcron Coyote Federal 42-6  
May 28, 1992

7. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.
8. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site should be submitted to the local health department. These drilling operations and any subsequent well operations should be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801)538-6159.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-047-32258.

Sincerely,



R.J. Firth  
Associate Director, Oil and Gas

Jdc  
Enclosures  
cc: Bureau of Land Management  
J.L. Thompson  
WO11



# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P. O. Box 853 Bountiful, Utah 84011-0853  
Tel: (801) 292-7061, 292-9668

May 26, 1992

Subject: CULTURAL RESOURCE EVALUATIONS OF NINE PROPOSED  
WELL LOCATIONS IN THE COYOTE BASIN LOCALITY  
OF UINTAH COUNTY, UTAH

Project: BALCRON OIL CO. -- 1992 Development  
Program for Units 12-5, 13-5, 21-5, 33-5, 42-6,  
13-7, 22-7, 31-7, and 33-7

Project No.: BLCR-92-1

Permit No.: Dept. of Interior -- UT-92-54937

Utah State Project No.: UT-92-AF-201b

To: Ms. Bobbie Schuman, Balcron Oil Co., P.O. Box 21017,  
Billings Montana 59104

Mr. David Little, District Manager, Bureau of Land  
Management, 170 South 500 East, Vernal, Utah 84078

Info: Antiquities Section, Division of State History, 300 Rio  
Grande, Salt Lake City, Utah 84101

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JUN 03 1992

DIVISION OF  
OIL GAS & MINING



BALCRON OIL

A Division of  
Equitable Resources Energy Company

P.O. Box 21017  
1601 Lewis Avenue Building  
Billings, Montana 59104  
(406) 259-7860

RECEIVED

JUN 03 1992

DIVISION OF  
OIL GAS & MINING

June 2, 1992

-- VIA FEDERAL EXPRESS --

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Gentlemen:

Enclosed is the Archeology Report for the following wells  
in Uintah County, Utah:

Balcron Coyote Federal #21-5  
Balcron Coyote Federal #33-5  
Balcron Coyote Federal #42-6  
Balcron Coyote Federal #12-5  
Balcron Coyote Federal #33-7  
Balcron Coyote Federal #13-5  
Balcron Coyote Federal #13-7  
Balcron Coyote Federal #22-7  
Balcron Coyote Federal #31-7

13-047-32058 85 015E 6

If you have any questions or need further information,  
please let me know.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

CULTURAL RESOURCE EVALUATIONS  
OF NINE PROPOSED WELL LOCATIONS  
(UNITS 12-5, 13-5, 21-5, 33-5, 42-6, 13-7,  
22-7, 31-7, AND 33-7)  
IN THE COYOTE BASIN LOCALITY OF  
UINTAH COUNTY, UTAH

REPORT PREPARED FOR BALCRON OIL COMPANY

Dept. of Interior Permit No.: UT-92-54937  
Utah State Project No.: UT-92-AF-201b  
AERC PROJECT 1320 (BLCR-92-1)

Principal Investigator & Author of Report  
F. Richard Hauck, Ph.D.

Report Prepared by the  
ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH  
CORPORATION (AERC)

P.O. Box 853  
Bountiful, Utah 84011-0853

May 26, 1992

## ABSTRACT

Intensive cultural resource evaluations have been conducted for Balcron Oil Company on the proposed Federal Well locations 12-5, 13-5, 21-5, 33-5, 42-6, 13-7, 22-7, 31-7, and 33-7 in the Coyote Basin locality of Uintah County, Utah. This series of well locations involved 10 acre survey areas with the exception of Units 12-5 and 31-7 which have been evaluated during previous archaeological investigations in this locality. Access route corridors were also evaluated measuring ca. 30 meters in width for a total of ca. 1.13 miles in length. Thus, ca. 83.7 acres of public lands in the locality were examined by F.R. Hauck and L. Harding of AERC on May 14, 15, and 20, 1992.

No cultural resource activity loci were identified during the examination. The single known site in the immediate locality, 42UN 1553, will be avoided by the proposed developments. No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments. No isolated artifacts were observed, collected, or recorded during the evaluations.

AERC recommends cultural resource clearance.

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## GENERAL INFORMATION

On May 14, 15, and 20, 1992, AERC archaeologists F.R. Hauck and L. Harding conducted intensive cultural resource evaluations for Balcon Oil Company of Billings, Montana. These examinations involved nine proposed well units (Federal Units 12-5, 13-5, 21-5, 33-5, 42-6, 13-7, 22-7, 31-7, and 33-7) in the Coyote Basin locality of Uintah County, Utah (see Maps 1 and 2).

This project is situated on federal lands administered by the Book Cliffs Resource Area of the Vernal District of the Bureau of Land Management.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register significance relative to established criteria (cf., 36 CFR 60.6). Federal regulations require archeological assessments of potentially endangered cultural resources in order to identify and preserve significant artifacts and cultural material, strata, features, or monuments that are susceptible to disturbance being situated in the immediate development zone. These excavations and site assessments were conducted in compliance with the Antiquities Act of 1906; the Historic Sites Act of 1935; Section 106 of the National Historic Preservation Act of 1966, as amended; the National Environmental Policy Act of 1969; the Federal Land Policy and Management Act of 1979; the Archaeological Resources Protection Act of 1979; the Native American Religious Freedom Act of 1978; the Historic Preservation Act of 1980; and Executive Order 11593.

### Project Location

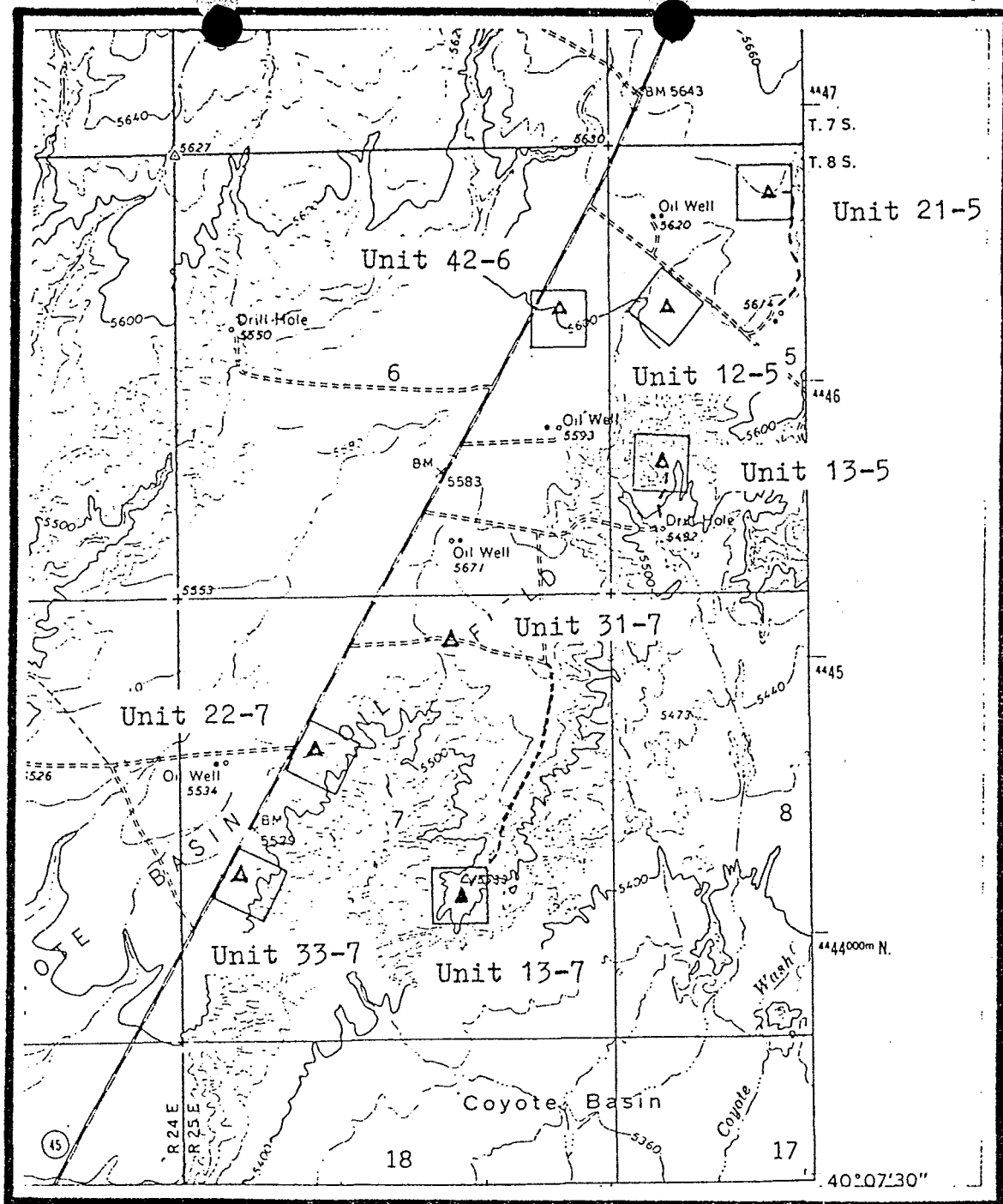
Unit 12-5: This location is in the SW 1/4 of the NW 1/4 of Section 5 of Township 8 South, Range 25 East. The location is immediately adjacent to an existing road (see Map 1).

Unit 13-5: This location is in the NW 1/4 of the SW 1/4 of Section 5 of Township 8 South, Range 25 East. The location is associated with a short access route that approaches from an existing, shut-in well location to the south (see Map 1).

Unit 21-5: This location is in the NE 1/4 of the NW 1/4 of Section 5 of Township 8 South, Range 25 East. The location is associated with a short access route that approaches from an existing well location to the south (see Map 1).

Unit 33-5: This location is in the NW 1/4 of the SE 1/4 of Section 5 of Township 8 South, Range 25 East. The location is immediately adjacent to an existing road (see Map 2).





T. 8 South  
R. 25 East  
Meridian: SL  
Quad: Dinosaur  
NW, Ut.






Project: BLCR-92-1  
Series: Uinta Basin  
Date: 5-26-92

MAP 1  
Cultural Resource Survey  
of Proposed Locations in  
the Coyote Basin Locality  
Uintah County, Utah

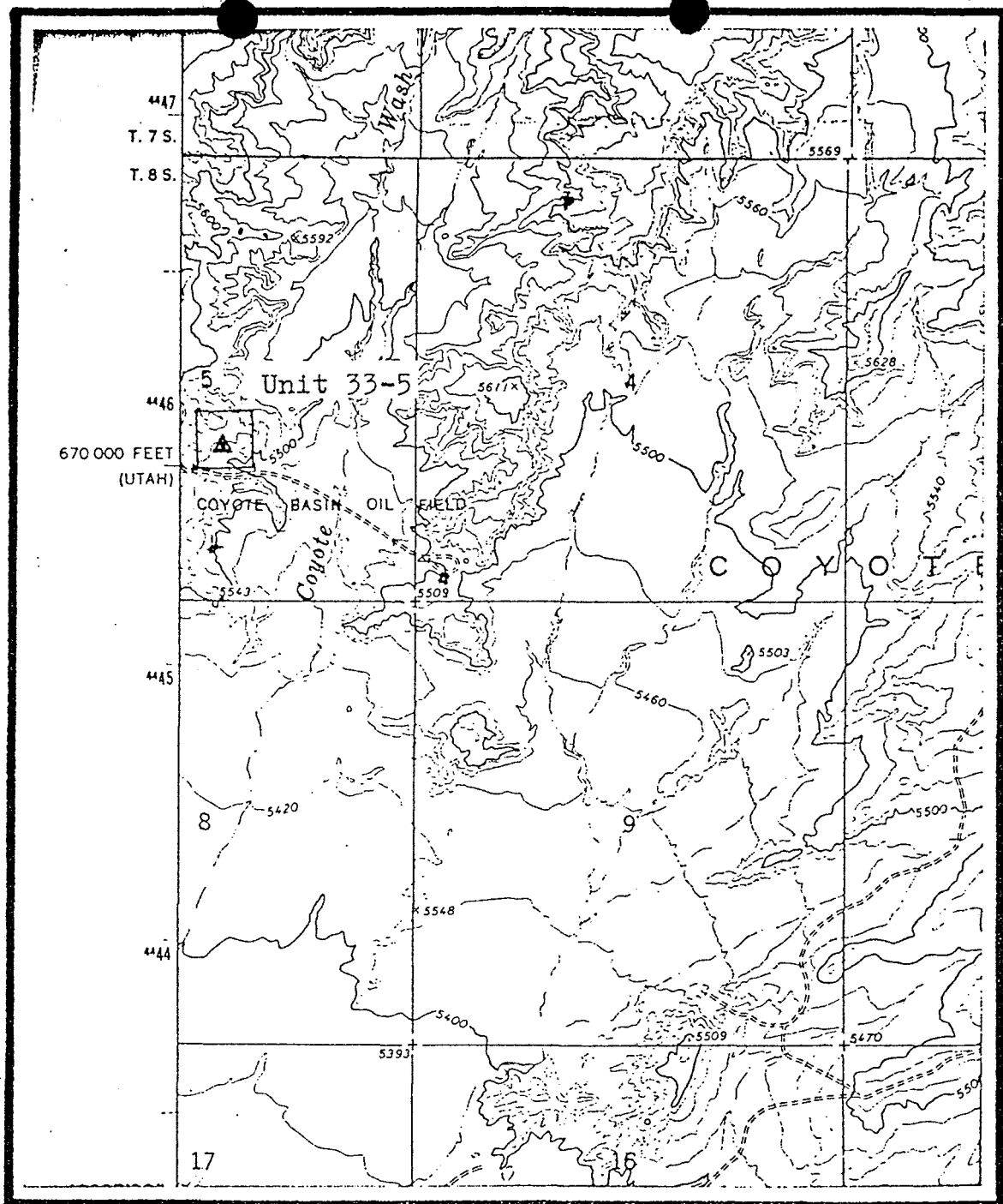
Scale: 1:24000

Legend:

Well Center   
10 Acre  
Survey  
Area 


Access  
Route 





T. 8 South  
R. 25 East  
Meridian: SL  
Quad: Dinosaur,  
Utah

MAP 2  
Cultural Resource Survey  
of Proposed Unit 33-5 in  
the Coyote Basin Locality  
Uintah County, Utah

Legend:  
Well Center  $\Delta$   
10 Acre  
Survey  
Area 

4  
N

Project: Scale: 1:24000  
Series: BLCR-92-1  
Date: Uinta Basin  
5-26-92



Unit 42-6: This location is in the SE 1/4 of the NE 1/4 of Section 6 of Township 8 South, Range 25 East. The location is immediately adjacent to an existing road (see Map 1).

Unit 13-7: This location is in the NW 1/4 of the SE 1/4 of Section 7 of Township 8 South, Range 25 East. The location is associated with a 5. mile access route that approaches along the top of the ridge from the north (see Map 1).

Unit 22-7: This location is in the SE 1/4 of the NW 1/4 of Section 7 of Township 8 South, Range 25 East. The location is immediately adjacent to an existing road (see Map 1).

Unit 31-7: This location is in the NW 1/4 of the NE 1/4 of Section 7 of Township 8 South, Range 25 East. The location is associated with a two-track road (see Map 1).

Unit 33-7: This location is in the NW 1/4 of the SW 1/4 of Section 7 of Township 8 South, Range 25 East. The location is immediately adjacent to an existing road (see Map 1).

#### Environmental Description

The project area is situated within the 5500 to 5650 foot elevation zone above sea level. Open rangeland terrain surfaces are associated with all these locations.

The vegetation in the project area includes Chrysothamnus spp., Ephedra viridis, Atriplex canescens, Juniperus spp., Artemesia tridentata, Opuntia polyacantha, Sarcobatus vermiculatus, and Bromus tectorum. The juniper are only associated with Units 33-5 and 13-7.

The geological associations within the project area consist of Quaternary gravels and fluvial sandstone and mudstone deposits which correlate with the Duchesne River Formation which is of Tertiary age.

## PREVIOUS RESEARCH IN THE LOCALITY

### File Search

Records searches of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City were conducted on May 12, 1992. A similar search was conducted in the Vernal District Office of the BLM on May 20. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A few known cultural sites are situated in the Coyote Basin locality. Most of these prehistoric resources including Sites 42UN 808, 42UN 928, and 42UN 929 were identified and recorded by Nickens and Associates during the Red Wash and Seep Ridge sample inventories (Larralde and Nickens 1980 and Larralde and Chandler 1981). Subsequent well location and access route evaluations in this locality have also resulted in the identification of one other cultural resource, Site 48UN 1553 (cf., Hauck 1981a, 1981b, 1983, and 1985).

### Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 - 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. - A.D. 300), and Formative (ca. A.D. 400 - 1100 ) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 - 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage - with the exception of the Late Prehistoric hunting and gathering Shoshonean bands - features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

### Site Potential in the Project Development Zone:

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The

majority of these sites are lithic scatters including Sites 42UN 928 and 42UN 929. Open occupations have also been identified in this locality (42UN 808 and 42UN 1553). Sites associated with the open rangeland generally appear to have been occupied during the Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points.

According to the sources noted in the reference, the site density of this locality appears to range from one to four sites per section. These densities increase in the river bottoms and in the dune-juniper environments. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

## FIELD EVALUATIONS

### Methodology

Intensive evaluations consisted of the archaeologists walking 10 to 20 meter wide transects within the well location areas and along the proposed access corridors. This series of well locations involved 10 acre survey areas with the exception of Units 12-5 and 31-7. Unit 12-5 was evaluated in 1985 as a ten acre parcel (Hauck 1985). The 80 acre parcel surrounding Unit 31-7 and including that unit's access route as well as a portion of the access route into Unit 13-7 was evaluated during the Red Wash sample survey (Larralde and Nickens 1980). Access route corridors were evaluated measuring ca. 30 meters in width for a total of ca. 1.13 miles in length. Thus, ca. 83.7 acres of public lands in the locality were examined by F.R. Hauck and L. Harding AERC on May 14, 15, and 20, 1992.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site involves its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. The determination of site significance is also established during the examination and evaluation of the cultural resources.

### Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ...  
archaeology ... and culture is present in ... sites ...

that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

a. That are associated with events that have made a significant contribution to the broad patterns of our history; or

b. that are associated with the lives of persons significant in our past; or

c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or

d. that have yielded, or may be likely to yield, information important in prehistory or history.

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

#### Results of the Inventory

No newly identified prehistoric or historic cultural resource activity loci was observed and recorded during these archaeological evaluations.

No previously recorded cultural sites will be adversely affected by the proposed developments. Site 42UN 1553 is closest to the development area but is outside and not readily accessible from the adjacent well location.

No isolated artifacts were observed or recorded during the evaluations.

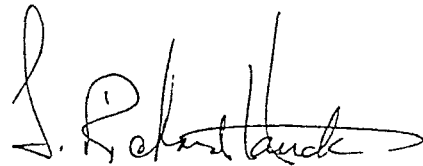
## CONCLUSION AND RECOMMENDATIONS:

AERC recommends that a cultural resource clearance be granted to Balcoron Oil Company relative to the development of the proposed units as noted above based upon adherence to the following stipulations:

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.

2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.

3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.  
President and Principal  
Investigator

## REFERENCES

Hauck, F. Richard

- 1981a CULTURAL RESOURCE INVENTORY OF A PROPOSED WELL LOCATION AND ACCESS ROAD IN THE COYOTE BASIN LOCALITY OF UINTAH COUNTY, UTAH. AERC Report prepared for Diamond Shamrock Exploration (DS-81-1), Bountiful.
- 1981b CULTURAL RESOURCE INVENTORY OF NINE PROPOSED WELL LOCATIONS AND ACCESS ROADS IN THE COYOTE BASIN LOCALITY OF UINTAH COUNTY, UTAH. AERC Report prepared for Diamond Shamrock Exploration (DS-81-2), Bountiful.
- 1983 CULTURAL RESOURCE EVALUATIONS OF THREE PROPOSED WELL LOCATIONS IN THE COYOTE BASIN LOCALITY OF UINTAH COUNTY, UTAH. AERC Report prepared for Cotton Petroleum Company (CPC-83-1), Bountiful.
- 1985 CULTURAL RESOURCE EVALUATION OF PROPOSED COYOTE BASIN LOCATIONS 12-5 AND 13-5 IN THE COYOTE BASIN LOCALITY OF UINTAH COUNTY, UTAH. AERC Report prepared for Diamond Shamrock Exploration (DSE-85-8), Bountiful.
- 1991 ARCHAEOLOGICAL EVALUATIONS ON THE NORTHERN COLORADO PLATEAU CULTURAL AREA, AERC PAPER No. 45, Archeological-Environmental Research Corporation, Bountiful.

Larralde, Signa L. and Paul R. Nickens

- 1980 SAMPLE INVENTORIES OF OIL & GAS FIELDS IN EASTERN UTAH 1978-1979, ARCHAEOLOGICAL INVENTORY IN THE RED WASH CULTURAL STUDY TRACT, UINTAH COUNTY, UTAH. (In) CULTURAL RESOURCE SERIES, NO. 5, Bureau of Land Management, Salt Lake City.

Larralde, Signa L. and Susan M. Chandler

- 1981 ARCHAEOLOGICAL INVENTORY IN THE SEEP RIDGE CULTURAL STUDY TRACT, UINTAH COUNTY, NORTHEASTERN UTAH. (In) CULTURAL RESOURCE SERIES, NO. 11, Bureau of Land Management, Salt Lake City.



Summary Report of  
Inspection for Cultural Resources

C O Y O T E B A S I N L O C A T I O N S

1. Report Title . . . . .

BALCRON OIL CO. UNITS 12-5, 13-5, 21-5, 33-5, 42-6, 13-7, 22-7, 31-7, & 33-7

2. Development Company . . . . .

5 26 1 9 9 2

UT-92-54937

3. Report Date . . . . . 4. Antiquities Permit No. . . . .

A E R C

B L C R - 9 2 - 1

Uintah

5. Responsible Institution . . . . . County . . . . .

6. Fieldwork

0 8 S

2 5 E

0 5

0 6

0 7

Location: TWN . . . . . RNG . . . . . Section. . . . .

7. Resource

Area TWN . . . . . RNG . . . . . Section. . . . .

.B.C.

TWN . . . . . RNG . . . . . Section. . . . .

8. Description of Examination Procedures: The archeologists, F.R. Hauck and L. Harding, intensively examined these proposed locations and access corridor by walking a series of 10 to 20 meter-wide transects flanking the flagged centerline. This series of well locations involved 10 acre (continued)

9. Linear Miles Surveyed . . . . . 10. Inventory Type . . . . .

and/or

Definable Acres Surveyed . . . . . R = Reconnaissance

and/or

I = Intensive

Legally Undefinable . . . . . 8 3 . 7 S = Statistical Sample

Acres Surveyed . . . . .

11. Description of Findings: 12. Number Sites Found .0. . . . .

No cultural resource sites were identified (No sites = 0)

during the survey. No isolated artifacts 13. Collection: .Y.

were observed, recorded, or collected. (Y = Yes, N = No)

14. Actual/Potential National Register Properties Affected:

The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search. Location/ Date: Utah SHPO 5-12-92

Vernal District Office Records 5-20-92

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company for these proposed developments based on the following stipulations: (see page 2).

17. Signature of Administrator

& Field Supervisor

Administrator

Field  
Supervisor

8. continued:

survey parcels on all of the locations with the exceptions of Units 12-5 and 31-7 which were evaluated during earlier examinations. Unit 12-5 was evaluated by AERC for Cotton Petroleum in 1985 as a ten acre parcel (Hauck 1985). Unit 31-7 and a portion of the access route into Unit 13-7 was evaluated within an 80 acre sample survey unit during the Red Wash sample survey by Nickens and Associates (Larralde and Nickens 1980).

16. continued:

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.

3. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.

4. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



BALCRON OIL

A Division of  
Equitable Resources Energy Company

P.O. Box 21017  
1601 Lewis Avenue Building  
Billings, Montana 59104  
(406) 259-7860

RECEIVED

JUN 10 1992

DIVISION OF  
OIL GAS & MINING

June 8, 1992

State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

Gentlemen:

As requested, enclosed is a copy of the BOPE diagram for the following wells:

Balcron Coyote Federal #42-6  
Balcron Coyote Federal #33-7  
Balcron Coyote Federal #33-5  
Balcron Coyote Federal #31-7  
Balcron Coyote Federal #22-7  
Balcron Coyote Federal #21-5  
Balcron Coyote Federal #13-7  
Balcron Coyote Federal #13-5  
Balcron Coyote Federal #12-5

Also enclosed is a copy of the Application to Appropriate Water. This Application has been approved by the State Engineer's office by Dalbo Incorporated.

If you have any questions or need further information, please let me know. For your information, we anticipate being able to start this Coyote Basin drilling program by July 1.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

# FILING FOR WATER IN THE STATE OF UTAH

Rec. by \_\_\_\_\_

Fee Rec. \_\_\_\_\_

Receipt # \_\_\_\_\_

Microfilmed \_\_\_\_\_

Roll # \_\_\_\_\_

## APPLICATION TO APPROPRIATE WATER

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3 of the Utah Code Annotated 1953, as amended.

WATER RIGHT NUMBER: 49 - 1521

TEMPORARY APPLICATION NUMBER: T66068

\*\*\*\*\*

## 1. OWNERSHIP INFORMATION:

LAND OWNED? No

A. NAME: Dalbo Incorporated  
ADDRESS: P. O. Box 1167, Vernal, UT 84078

B. PRIORITY DATE: April 28, 1992

FILING DATE: April 28, 1992

## 2. SOURCE INFORMATION:

A. QUANTITY OF WATER: 20.0 acre-feet

B. DIRECT SOURCE: White River

COUNTY: Uintah

C. POINT OF DIVERSION -- SURFACE:

(1) N 400 feet W 1850 feet from E½ corner, Section 2, T 10S, R 24E, SLBM

DIVERT WORKS: Pump into tank trucks

SOURCE: White River

## 3. WATER USE INFORMATION:

OIL EXPLORATION: from Jan 1 to Dec 31. Drilling and completion of 9 wells for  
Balcron Oil Division in Bonanza Area

## 4. PLACE OF USE: (which includes all or part of the following legal subdivisions:)

BASE TOWN RANG SEC	NORTH-EAST					NORTH-WEST					SOUTH-WEST					SOUTH-EAST				
	NE	NW	SW	SE		NE	NW	SW	SE		NE	NW	SW	SE		NE	NW	SW	SE	
SL 8S 25E	5	X	X	X	X	■ ■ ■	X	X	X	X	■ ■ ■	X	X	X	X	■ ■ ■	X	X	X	X
	6	X	X	X	X	■ ■ ■	X	X	X	X	■ ■ ■	X	X	X	X	■ ■ ■	X	X	X	X
	7	X	X	X	X	■ ■ ■	X	X	X	X	■ ■ ■	X	X	X	X	■ ■ ■	X	X	X	X

## 5. EXPLANATORY:

Point of Diversion is on BLM lands. Permission is being obtained.

**RECEIVED**

JUN 10 1992

DIVISION OF  
OIL GAS & MINING

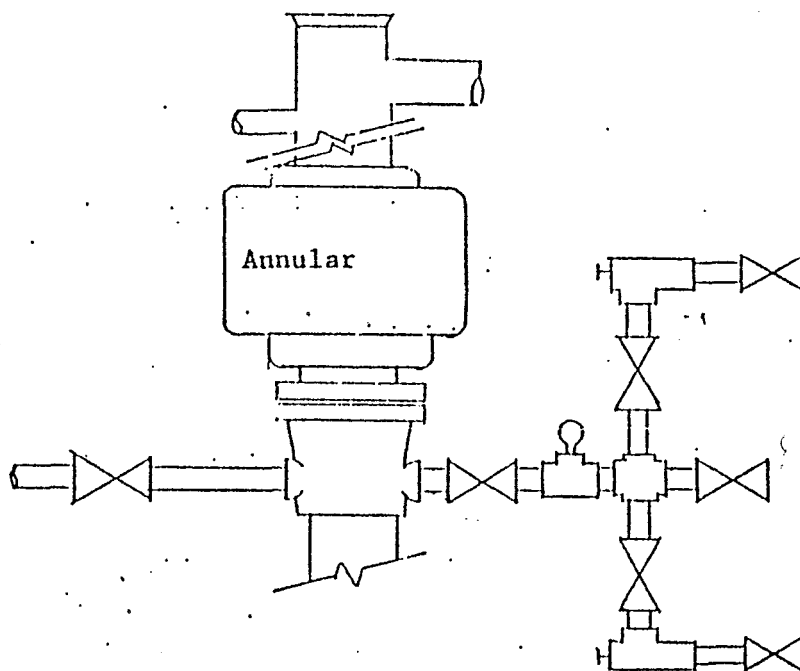
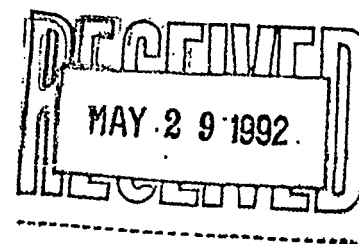


ROTARY DRILLING WITH MUD & AIR SINCE 1966

**Main Office**  
1910 N. Loop Ave.  
P.O. Box 2440  
Casper, Wyoming 82602  
(307) 235-8609

**Billings Office**  
2047 E. Main  
Billings, Montana 59103  
(406) 245-3511

**Havre, Montana Yard**  
4 mi. W. Hwy 2



9" Bore-2000 PSI  
Blowout Preventer Stack

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY

CONFIDENTIAL

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1980' FNL, 660' FEL

At proposed prod. zone

43-047-32258

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

35 miles southeast of Vernal, Utah.

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

4,690'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5,601.7'

22. APPROX. DATE WORK WILL START\*

July 1, 1992

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	260'	250 sx G w/add
7-7/8"	5-1/2"	15.50#	4,690'	See Drilling Program

SEE ATTACHED EXHIBITS

- "A" PROPOSED DRILLING PROGRAM
- "B" PROPOSED SURFACE USE PROGRAM
- "C" GEOLOGIC PROGNOSIS
- "D" DRILLING PROGRAM
- "E" DRILL PAD AND RIG LAYOUT (plats 1 and 2)
- "F" LOCATION SITE AND ELEVATION PLAT
- "G" EVIDENCE OF BOND COVERAGE

JUN 15 1992

DIVISION OF  
OIL GAS & MINING

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Bobbie Schuman*

Coordinator of Environmental  
and Regulatory Affairs

DATE

*April 22, 1992*

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

ASSISTANT DISTRICT  
MANAGER MINERALS

JUN 12 1992

APPROVED BY

*Tim Shugart*

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHES  
TO OPERATOR'S COPY

\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL FOR THE  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources

Well Name & Number: Coyote Federal 42-6

Lease Number: U-017439-B

Location: SENE Sec. 6 T.8 S. R.25 E.

Surface Ownership: BLM

NOTIFICATION REQUIREMENTS

- |                                 |   |  |
|---------------------------------|---|--|
| Location Construction           | - | at least forty-eight (48) hours prior to construction of location and access roads.  |
| Location Completion             | - | prior to moving on the drilling rig.   |
| Spud Notice                     | - | at least twenty-four (24) hours prior to spudding the well.  |
| Casing String and Cementing     | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings.  |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests.  |
| First Production Notice         | - | within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

12. Other Additional Information

- a. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of Historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- b. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- c. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)



CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Equitable Resources Energy Company Well No. Coyote Federal 42-6

Location SENE Section 6, T8S, R25E Lease No. U - 017439 - B

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

### 3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Mahogany oil shale, identified at  $\pm$  2,800 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

### 4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

### 5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) and bond quality for the production casing.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

## 6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

#### 7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka	(801) 781-1190
Petroleum Engineer	

Ed Forsman	(801) 789-7077
Petroleum Engineer	

BLM FAX Machine	(801) 789-3634
-----------------	----------------

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office

170 South 500 East

Vernal, Utah 84078

Phone (801) 789-1362

FAX (801) 789-3634

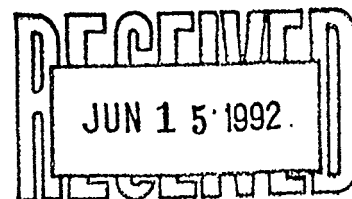
IN REPLY REFER TO:

3160  
UT08438

JUN 12 1992

Certified Mail  
Return Receipt Requested  
P 125 313 152

Equitable Resources Energy Company  
P.O. Box 21017  
Billings, MT 59104



Re: Well No. 42-6  
Section 6, T8S, R25E  
Lease No. U-017439-B  
Uintah County, Utah

Gentlemen:

Enclosed are two approved copies of the Application for Permit to Drill (APD) for the above referenced well.

Service of this letter shall be deemed to occur when received, or seven (7) business days after the date this letter is mailed, whichever is earlier.

A section governing appeals of decisions and approvals relating to proposed operations was added to 43 CFR Part 3160 by an interim final rule. The effective dates are March 13, 1992, through December 31, 1992. Now, under 43 CFR 3165.4(c), the decision to approve an APD is in full force and effect when an appeal is filed, unless the appellant shows sufficient justification to the Interior Board of Land Appeals (IBLA) that a stay is necessary.

If you have any questions concerning APD processing, please contact Pat Sutton of this office at (801) 789-1362.

Sincerely,

*Tim Chywell* (ACTING)

Howard B. Cleavinger II  
Assistant District Manager for Minerals

Enclosure



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

Phone (801) 789-1362

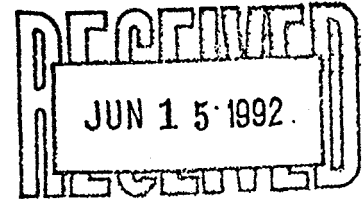
JUN 1 2 1992

FAX (801) 789-3634

IN REPLY REFER TO:

3162.8  
UT08438

Equitable Resources Energy Company  
Attn: Bobble Schuman  
1601 Lewis Avenue Building  
Billings, MT 59104



Re: Confidential Status  
Well No. Balcon Coyote Federal 42-6  
SENE, Sec. 6, T8S, R25E  
Lease No. U-017439-B  
Uintah County, Utah

Dear Ms. Schuman:

As you requested, all information for the referenced well will be held confidential. In accordance with 43 CFR 3162.8 of the Code of Federal Regulations, confidential status will be maintained for a period of 12 months, ending June 11, 1993. Upon expiration of the 12-month period, Equitable Resources Energy Company can request that the data be held confidential for an additional 12-month period.

If you have any other questions concerning this matter, please contact Ed Forsman of this office at (801) 789-1362.

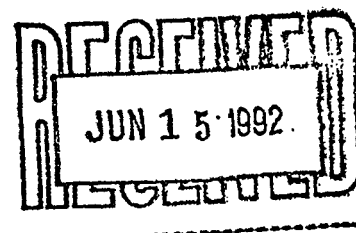
Sincerely,

*Tim Shegwell* (ACTING)

Howard B. Cleavinger II  
Assistant District Manager for Minerals



CONDITIONS OF APPROVAL FOR THE  
APPLICATION FOR PERMIT TO DRILL



Company/Operator: Equitable Resources

Well Name & Number: Coyote Federal 42-6

Lease Number: U-017439-B

Location: SENE Sec. 6 T.8 S. R.25 E.

Surface Ownership: BLM

NOTIFICATION REQUIREMENTS

- |                                 |   |  |
|---------------------------------|---|--|
| Location Construction           | - | at least forty-eight (48) hours prior to construction of location and access roads.  |
| Location Completion             | - | prior to moving on the drilling rig.   |
| Spud Notice                     | - | at least twenty-four (24) hours prior to spudding the well.  |
| Casing String and Cementing     | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings.  |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests.  |
| First Production Notice         | - | within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

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- a. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of Historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

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- b. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
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CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Equitable Resources Energy Company Well No. Coyote Federal 42-6  
Location SENE Section 6, T8S, R25E Lease No. U - 017439 - B

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

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Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

### 3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Mahogany oil shale, identified at  $\pm$  2,800 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

### 4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

### 5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) and bond quality for the production casing.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

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No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

#### 7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka	(801) 781-1190
Petroleum Engineer	

Ed Forsman	(801) 789-7077
Petroleum Engineer	

BLM FAX Machine	(801) 789-3634
-----------------	----------------

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.





# BALCRON OIL

A Division of  
Equitable Resources Energy Company

P.O. Box 21017  
1601 Lewis Avenue Building  
Billings, Montana 59104  
(406) 259-7860

RECEIVED

JUN 19 1992

DIVISION OF  
OIL GAS & MINING

June 18, 1992

-- VIA FEDERAL EXPRESS --

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Gentlemen:

Enclosed for your files are copies of the approved  
Federal Applications for Permit to Drill the following  
wells in Uintah County, Utah:

Balcron Coyote Federal #21-5  
NE NW Section 5, T8S, R25E

Balcron Coyote Federal #42-6  
SE NE Section 6, T8S, R25E

43-097-32258

Balcron Coyote Federal #12-5  
SW NW Section 5, T8S, R25E

If you have any questions or need further information,  
please let me know.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

PLUG BACK ☐

**MULTIPLE** ☐

**ZONE**

**CONFIDENTIAL**

At proposed prod. zone

35 miles southeast of Vernal, Utah.

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START\*  
July 1, 1992

23. PROPOSED CASING AND CEMENTING PROGRAM

SEE ATTACHED EXHIBITS

"A" PROPOSED DRILLING PROGRAM  
"B" PROPOSED SURFACE USE PROGRAM  
"C" GEOLOGIC PROGNOSIS  
"D" DRILLING PROGRAM  
"E" DRILL PAD AND RIG LAYOUT (plats 1 and 2)  
"F" LOCATION SITE AND ELEVATION PLAT  
"G" EVIDENCE OF BOND COVERAGE

JUN 19 1992  
DIVISION OF  
OIL GAS & MINING

RECEIVED

JUN 19 1992

## 1 2) DIVISION OF OIL GAS & MINING

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

(This space for Federal or State office use)

DATE \_\_\_\_\_

APPROVAL DATE

**TITLE**

ASSISTANT DISTRICT  
MANAGER MINERALS

DATE \_\_\_\_\_

JUN 12 1992

## NOTICE OF APPROVAL

**CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY**

**\*See Instructions On Reverse Side**

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

OPERATOR: BALCRON OIL  
WELL NAME: BALCRON COYOTE FEDERAL 42-6X

OPERATOR ACCT NO: N-9890

API NO. ASSIGNED: 43-047-30340

RIG SKID

LEASE TYPE: FED LEASE NO: J-017434-B  
LOCATION: SENE 06 - T08S - R25E UINTAH COUNTY  
FIELD: COYOTE BASIN FIELD CODE: 570

~~CONFIDENTIAL~~

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond  
☒ (Number federal)  
☒ Potash (Y/N)  
☒ Oil shale (Y/N)  
☒ Water permit  
☒ (Number 49-1531 T1100059)  
☒ RDCC Review (Y/N)  
☐ (Date: \_\_\_\_\_)

LOCATION AND SITING:

☐ R649-2-3. Unit: \_\_\_\_\_  
☒ R649-3-2. General.  
☐ R649-3-3. Exception.  
☐ Drilling Unit.  
☐ Board Cause no: \_\_\_\_\_  
☐ Date: \_\_\_\_\_

COMMENTS: Rig skid from previous approved 426-0

STIPULATIONS:

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 10-16-93

DAILY OPERATING REPORTBALCRON COYOTE #42-6

42-047-22258

Location: SE NE Section 6, T8S, R25E

Uintah County, Utah

660' FEL 1980' FNL

PTD: 4,450' Formation: Wasatch Tongue of Green River  
Green River Prospect

Contractor: Elenburg rig #14

Operator: Balcron/EREC

Spud: 8-3-92 @ 8 p.m.

Casing: 8-5/8" @ 262'

8-4-92 TD: 265' (265') Day 1  
 Formation: Uinta  
 Present Operation: Cementing  
 Spudded 12-1/4" hole @ 8:00 p.m. 8-3-92. Drill to 265',  
 TOH. Ran 262' 8-5/8", 24#, J-55 w/shoe, insert float &  
 4 centralizers.  
 DC: \$12,245 CC: \$12,245

8-5-92 TD: 857' (592') Day 2  
 Formation: Uinta  
 MW 8.3 VIS 27 pH 7.8  
 Present Operation: Drilling  
 Cmt'd 8-5/8" csg w/190 sxs Class "G" w/2% CaCl & 1/4#  
 celloflakes -good returns.. Cmt to surface - tested  
 BOP's & choke manifold & csg to 1500 psi.  
 DC: \$11,929 CC: \$24,174

Post-It™ brand fax transmittal memo 7671		# of pages ▶
To: State of Utah	From: Molly Conrad	
Co.	Co. Balcron Oil	
Dept.	Phone # (206) 259-7800	
Fax # (801) 359-3940	Fax # (206) 245-1361	

DAILY OPERATING REPORTBALCRON COYOTE #42-6

Location: SE NE Section 6, T8S, R25E

Uintah County, Utah

660' FEL 1980' FNL

PTD: 4,450' Formation: Wasatch Tongue of Green River  
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Formation: Uinta  
MW 8.3 VIS 27 pH 7.8  
Present Operation: Drilling  
Cmt'd 8-5/8" csg w/190 sxs Class "G" w/2% CaCl & 1/4#  
celloflakes -good returns.. Cmt to surface - tested  
BOP's & choke manifold & csg to 1500 psi.  
DC: \$11,929 CC: \$24,174

8-6-92 TD: 2,048' (1,456') Day 3  
Formation: Green River  
MW 8.3 VIS 27 pH 11.2  
Present Operation: Drilling  
Lost returns (800 bbls) @ 1985'.  
DC: \$18,578 CC: \$42,752

Post-It™ brand fax transmittal memo 7671		# of pages ▶
To	State of Utah	
Co.	From Molly Conrad	
Dept.	Co. Balcron Oil	
Fax #	Phone #	
(801) 359-3940	(406) 259-7800	
	Fax #	
	(406) 245-1361	

DAILY OPERATING REPORTBALCRON COYOTE #42-6

43-04732258

Location: SE NE Section 6, T8S, R25E

Uintah County, Utah

660' FEL 1980' FNL

PTD: 4,450' Formation: Wasatch Tongue of Green River

Green River Prospect

Contractor: Elenburg rig #14

Operator: Balcron/EREC

Spud: 8-3-92 @ 8 p.m.

Casing: 8-5/8" @ 262'

8-4-92 TD: 265' (265') Day 1  
 Formation: Uinta  
 Present Operation: Cementing  
 Spudded 12-1/4" hole @ 8:00 p.m. 8-3-92. Drill to 265',  
 TOH. Ran 262' 8-5/8", 24#, J-55 w/shoe, insert float &  
 4 centralizers.  
 DC: \$12,245 CC: \$12,245

8-5-92 TD: 857' (592') Day 2  
 Formation: Uinta  
 MW 8.3 VIS 27 pH 7.8  
 Present Operation: Drilling  
 Cmt'd 8-5/8" csg w/190 sxs Class "G" w/2% CaCl & 1/4#  
 celloflakes -good returns.. Cmt to surface - tested  
 BOP's & choke manifold & csg to 1500 psi.  
 DC: \$11,929 CC: \$24,174

8-6-92 TD: 2,048' (1,456') Day 3  
 Formation: Green River  
 MW 8.3 VIS 27 pH 11.2  
 Present Operation: Drilling  
 Lost returns (800 bbls) @ 1985'.  
 DC: \$18,578 CC: \$42,752

8-7-92 TD: 2,338' (290') Day 4  
 MW 8.4 Vis 33 pH 9.2 WL 19.2  
 Present Operation: Working stuck pipe.  
 Lost circ @ 2338', mixed LCM.  
 DC: \$8,283 CC: \$51,035

Post-It™ brand fax transmittal memo 7671		# of pages ▶
To	State of Utah	
From	Molly Conrad	
Co.	Balcron Oil	
Dept.	Phone # (406) 259-7860	
Fax #	(801) 359-3940	Fax # (406) 245-1361

DAILY OPERATING REPORTBALCRON COYOTE #42-6

42-047-32258

Location: SE NE Section 6, T8S, R25E

Uintah County, Utah

660' FEL 1980' FNL

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Green River Prospect

Contractor: Elenburg rig #14

Operator: Balcron/EREC

Spud: 8-3-92 @ 8 p.m.

Casing: 8-5/8" @ 262'

8-4-92 TD: 265' (265') Day 1

Formation: Uinta

Present Operation: Cementing

Spudded 12-1/4" hole @ 8:00 p.m. 8-3-92. Drill to 265',  
TOH. Ran 262' 8-5/8", 24#, J-55 w/shoe, insert float &  
4 centralizers.

DC: \$12,245

CC: \$12,245

DAILY OPERATING REPORTBALCRON COYOTE #42-6

Location: SE NE Section 6, T8S, R25E  
Uintah County, Utah

---TIGHT HOLE---

- 8-9-92 TD: 2,338' (0') Day 6  
Formation: Green River  
MW 8.5 VIS 38 pH 10.1 WL 16.4  
Present Operation: Fishing  
Spot N<sub>2</sub> around fish. Work pipe. Circ N<sub>2</sub> to surface & blow hole. Work pipe. Circ out N<sub>2</sub>. Run free point. Stuck @ IBS. Back off 2 collars above IBS (fish = bit, bit sub, 2 - 6" DC, IBS, 2 - 6" DC = 139') TOH. PU bumper sub & jars w/1 DC below & 8 DC above jars. TIH - jar & bump on fish for 4-1/2 hrs. Can't circ through fish. TOH to PU more DC.  
DC: \$1,818 CC: \$56,202
- 8-10-92 TD: 2,338' (0') Day 7  
Formation: Green River  
MW 8.5 VIS 35 pH 9.8 WL 20  
Present Operation: Setting plugs.  
Jarred down on fish for 3-1/2 hrs. Jarred up on fish 6-1/2 hrs - no movement. Backed off 2 collars above IBS, TOH, TIH open ended. Set plug from 2000' to 1800' - WO cmt to tag plug.  
DC: \$30,493 CC: \$86,695
- 8-11-92 TD: 1,798' (78') Day 8  
Formation: Green River  
MW 8.4 VIS 44 pH 12.8  
Present Operation: Drilling Cmt.  
Set 118 sxs Class "G" w/2% CaCl from 2000' to 1720' WOC 3 hrs, tagged plug. WOC PU BHA, TIH, and drill. BHA: Bit #3, Bit Sub, X-O, 1 jt 4-1/2" Drill Pipe, 3 6" DC.  
DC: \$8,451 CC: \$95,146
- 8-12-92 TD: 1,798' (0') Day 9  
Formation: Green River  
Present Operation: Preparing to skid rig. P&A well. Drilled to 2000' w/milltoothed bit & 1 jt DP. Could not get kicked off. P&A'd well. Plug #1 - 120 sxs Class "G" w/2% CaCl from 2000'-1800'. Plug #2 - 45 sxs Class "G" w/2% CaCl from 310'-210'. Tagged plug @ 213'. Plug #3 - 50 sx Class "G" w/2% CaCl from 60' to surface. Rig released @ 8 a.m. Moving (skidding) rig 30' west from present location.  
DC: \$8,586 CC: \$103,732
- FINAL REPORT



DAILY OPERATING REPORTBALCRON COYOTE #42-6

43-047-32258

Location: SE NE Section 6, T8S, R25E

---TIGHT HOLE---

Uintah County, Utah

660' FEL 1980' FNL

PTD: 4,450' Formation: Wasatch Tongue of Green River

Green River Prospect

Contractor: Elenburg rig #14

Operator: Balcron/EREC

Spud: 8-3-92 @ 8 p.m.

Casing: 8-5/8" @ 262'

- 8-4-92 TD: 265' (265') Day 1  
 Formation: Uinta  
 Present Operation: Cementing  
 Spudded 12-1/4" hole @ 8:00 p.m. 8-3-92. Drill to 265',  
 TOH. Ran 262' 8-5/8", 24#, J-55 w/shoe, insert float &  
 4 centralizers.  
 DC: \$12,245 CC: \$12,245
- 8-5-92 TD: 857' (592') Day 2  
 Formation: Uinta  
 MW 8.3 VIS 27 pH 7.8  
 Present Operation: Drilling  
 Cmt'd 8-5/8" csg w/190 sxs Class "G" w/2% CaCl & 1/4#  
 celloflakes -good returns.. Cmt to surface - tested  
 BOP's & choke manifold & csg to 1500 psi.  
 DC: \$11,929 CC: \$24,174
- 8-6-92 TD: 2,048' (1,456') Day 3  
 Formation: Green River  
 MW 8.3 VIS 27 pH 11.2  
 Present Operation: Drilling  
 Lost returns (800 bbls) @ 1985'.  
 DC: \$18,578 CC: \$42,752
- 8-7-92 TD: 2,338' (290') Day 4  
 MW 8.4 Vis 33 pH 9.2 WL 19.2  
 Present Operation: Working stuck pipe.  
 Lost circ @ 2338', mixed LCM.  
 DC: \$8,283 CC: \$51,035
- 8-8-92 TD: 2,338' (0') Day 5  
 Formation: Green River  
 MW 8.4 VIS 37 pH 9 WL 3  
 Present Operation: Work stuck pipe.  
 Spotted diesel & pipe lax, pump 1-4 BPH. Work pipe -  
 circ out diesel after 17 hrs. Circ & condition mud.  
 DC: \$3,349 CC: \$54,384

DAILY OPERATING REPORTBALCRON COYOTE #42-6

42-047-22258

Location: SE NE Section 6, T8S, R25E  
Uintah County, Utah

---TIGHT HOLE---

8-8-92 TD: 2,338' (0') Day 5  
 Formation: Green River  
 MW 8.4 VIS 37 pH 9 WL 3  
 Present Operation: Work stuck pipe.  
 Spotted diesel & pipe lax, pump 1-4 BPH. Work pipe -  
 circ out diesel after 17 hrs. Circ & condition mud.  
 DC: \$3,349 CC: \$54,384

8-9-92 TD: 2,338' (0') Day 6  
 Formation: Green River  
 MW 8.5 VIS 38 pH 10.1 WL 16.4  
 Present Operation: Fishing  
 Spot N<sub>2</sub> around fish. Work pipe. Circ N<sub>2</sub> to surface &  
 blow hole. Work pipe. Circ out N<sub>2</sub>. Run free point.  
 Stuck @ IBS. Back off 2 collars above IBS (fish = bit,  
 bit sub, 2 - 6" DC, IBS, 2 - 6" DC = 139') TOH. PU  
 bumper sub & jars w/1 DC below & 8 DC above jars. TIH -  
 jar & bump on fish for 4-1/2 hrs. Can't circ through  
 fish. TOH to PU more DC.  
 DC: \$1,818 CC: \$56,202

8-10-92 TD: 2,338' (0') Day 7  
 Formation: Green River  
 MW 8.5 VIS 35 pH 9.8 WL 20  
 Present Operation: Setting plugs.  
 Jarred down on fish for 3-1/2 hrs. Jarred up on fish 6-  
 1/2 hrs - no movement. Backed off 2 collars above IBS,  
 TOH, TIH open ended. Set plug from 2000' to 1800' - WO  
 cmt to tag plug.  
 DC: \$30,493 CC: \$86,695

Post-It™ brand fax transmittal memo 7671		# of pages >
To	State of Utah	
From	Molly Conrad	
Co.	Co. Balcron Oil	
Dept.	Phone # (206) 259-7860	
Fax #	(801) 359-3940 (406) 245-1361	

RECEIVED  
JUL 23 1992

FILING FOR WATER IN THE  
STATE OF UTAH

Rec. by 10  
Fee Rec. 75.00  
Receipt # 730921 ✓  
Microfilmed \_\_\_\_\_  
Roll # \_\_\_\_\_

DIVISION OF WATER RIGHTS  
VERNAL, UTAH

APPLICATION TO APPROPRIATE WATER  
SALT LAKE

TEMPORARY

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3 of the Utah Code Annotated 1953, as amended.

WATER RIGHT NUMBER: 49 - 1531      TEMPORARY APPLICATION NUMBER: T66259  
\*\*\*\*\*

1. OWNERSHIP INFORMATION:

LAND OWNED? No

A. NAME: BALCRON OIL  
ADDRESS: P. O. Box 21017, Billings, MT 59104

B. PRIORITY DATE: July 17, 1992      FILING DATE: July 17, 1992

2. SOURCE INFORMATION:

A. QUANTITY OF WATER: 20.0 acre-feet

B. DIRECT SOURCE: Existing underground water well      COUNTY: Uintah

C. POINT OF DIVERSION -- UNDERGROUND:  
(1) S 1900 feet W 2200 feet from NE corner, Section 6, T 8S, R 25E, SLBM  
WELL DIAMETER: inches      WELL DEPTH:

3. WATER USE INFORMATION:

OIL EXPLORATION: from Jul 25 to Jul 24. Drilling oil wells and waterflood project in Coyote Basin Field

4. PLACE OF USE: (which includes all or part of the following legal subdivisions:)

BASE	TOWN	RANG	SEC	NORTH-EAST					NORTH-WEST					SOUTH-WEST					SOUTH-EAST				
				NE	NW	SW	SE		NE	NW	SW	SE		NE	NW	SW	SE		NE	NW	SW	SE	
SL	8S	25E	5	X	X	X	X	■ ■ ■	X	X	X	X	■ ■ ■	X	X	X	X	■ ■ ■	X	X	X	X	
			6	X	X	X	X	■ ■ ■	X	X	X	X	■ ■ ■	X	X	X	X	■ ■ ■	X	X	X	X	
			7	X	X	X	X	■ ■ ■	X	X	X	X	■ ■ ■	X	X	X	X	■ ■ ■	X	X	X	X	

5. EXPLANATORY:

Water will be taken from an existing oil well site Coyote Basin Federal #32-6 which produces water. Water will be used in drilling oil wells in the Coyote Basin Field and for a pilot waterflood in the Green River formation also in Coyote Basin Field. Water is not potable. (See attached water analysis). This is BLM land under Federal Lease #U-20309-D.

RECEIVED  
AUG - 7 1992

Appropriate

## 6. SIGNATURE OF APPLICANT(S):

The applicant(s) hereby acknowledge(s) that he/she/they are citizen(s) of the United States of America or intend(s) to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of information contained herein, at the time of filing, rests with the applicant(s).

Bohlie Scheuman  
Signature of Applicant(s)

1110314

STATE ENGINEER'S ENDORSEMENT

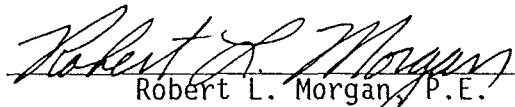
WATER RIGHT NUMBER: 49 - 1531

APPLICATION NO. T66259

1. July 17, 1992      Application received by BMW.
  2. July 23, 1992      Application designated for APPROVAL by RWL and KLJ.
  3. Comments:
- 
- 

Conditions:

This application is hereby APPROVED, dated August 6, 1992, subject to prior rights and this application will expire on August 6, 1993.

  
Robert L. Morgan, P.E.  
State Engineer

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: BALCRON 43-047-32258

WELL NAME: BALCRON COYOTE 42-6

Section 6 Township 8S Range 25E County UINTAH

Drilling Contractor ELLENBURG

Rig # 14

SPUDDED: Date 8/3/92

Time 8:00 PM

How ROTARY

**CONFIDENTIAL**

Drilling will commence 8/3/92

Reported by BOBBIE SHUMAN

Telephone # 1-406-259-7860

Date 8/4/92 SIGNED RJF



## BALCRON OIL

A Division of  
Equitable Resources Energy Company

P.O. Box 21017  
1601 Lewis Avenue Building  
Billings, Montana 59104  
(406) 259-7860

August 4, 1992

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Gentlemen:

RE: Balcron Coyote Federal #42-6  
SE NE Section 6, T8S, R35E *25E*  
Uintah County, Utah

Enclosed is our Entity Action Form (form 6) reporting the  
spud date of the referenced well.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosure

RECEIVED

AUG 06 1992

DIVISION OF  
OIL GAS & MINING

OPERATOR BALCRON OILOPERATOR ACCT. NO. N 9890ADDRESS P.O. Box 21017Billings, MT 59104

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11386	43-047-32258	Balcron Coyote Federal #42-6	SE NE	6	8S	35E 25E	Uintah	8/3/92	8/3/92

WELL 1 COMMENTS:

Spud of new well.

Entity added 8-11-92. *lee*

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

## ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(789)

RECEIVED

AUG 06 1992

DIVISION OF  
OIL GAS & MINING*Bobbie Schuman*Signature  
Coordinator of Environmental  
and Regulatory Affairs

Date

Phone No. ( 406 ) 259-7860

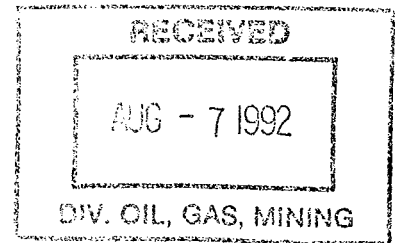




# BALCRON OIL

A Division of  
Equitable Resources Energy Company

P.O. Box 21017  
1601 Lewis Avenue Building  
Billings, Montana 59104  
(406) 259-7860



August 5, 1992

State of Utah  
Division of Oil, Gas, & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Gentlemen:

RE: Balcron Coyote Basin #42-6  
SE NE Section 6, T8S, R25E  
Uintah County, Utah

Enclosed is our sundry report giving notice of spud and running casing on the referenced well. Verbal notifications were given to the Bureau of Land Management and the State of Utah August 4, 1992.

Sincerely,

Molly M. Conrad  
Operations Secretary

/mc

Enclosure

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION & SERIAL NO.	
		Fed. #U-017439-B	
6. IF INDIAN ALLOTTEE OR TRIBE NAME		7. UNIT AGREEMENT NAME	
n/a		n/a	
8. FARM OR LEASE NAME		9. WELL NO.	
Balcron Coyote Basin		#42-6	
10. FIELD AND POOL, OR WILDCAT		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
Coyote Basin/Green River		SE NE Sec. 6, T8S, R25E	
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	2. NAME OF OPERATOR	14. API NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)
	BALCRON OIL	43-047-32258	5,601.7' GL
3. ADDRESS OF OPERATOR	4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)	12. COUNTY	13. STATE
P.O. Box 21017; Billings, MT 59104	At surface 1980' FNL, 660' FEL At proposed prod. zone	Uintah	UTAH

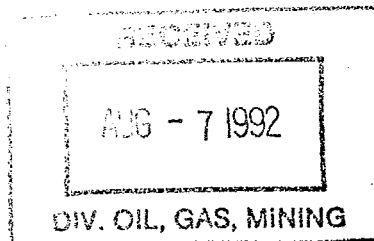
16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>spud &amp; running casing</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

\* Must be accompanied by a cement verification report.

Well was spud at 8 p.m. 8/3/92. Ran 8-5/8" 24# J-55 casing (262').  
Casing was landed at 262' KB.



18. I hereby certify that the foregoing is true and correct

SIGNED <u>Bobbie Schuman</u>	TITLE <u>Coordinator of Environmental and Regulatory Affairs</u>	DATE <u>August 4, 1992</u>
(This space for Federal or State office use)		

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: BALCRON

WELL NAME: COYOTE 42-6X (RIG SKID)

Section 6 Township 8S Range 25E County UINTAH

Drilling Contractor ELLEN/BURG

Rig # 14

SPUDDED: Date 8/12/92

Time

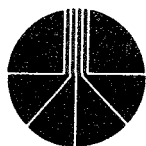
How ROTARY

Drilling will commence

Reported by BOBBIE SHUMAN

Telephone #

Date 8/12/92 SIGNED FRM



BALCRON OIL

A Division of  
Equitable Resources Energy Company

P.O. Box 21017  
1601 Lewis Avenue Building  
Billings, Montana 59104  
(406) 259-7860

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AUG 28 1992

DIVISION OF  
OIL GAS & MINING

August 27, 1992

Mr. Frank Matthews  
State of Utah  
Division of Oil, Gas, & Mining  
355 W. North Temple  
Salt Lake City, UT 84180

Dear Mr. Matthews:

RE: Balcron Coyote Federal #42-6X  
SE NE Section 6, T8S, R25E  
Uintah County, Utah

Enclosed is the application for permit to drill that you requested for the subject well. We will send the survey plat as soon as we receive it, although the footages on the APD have been changed.

Please feel free to contact me if you have any questions or need any further information.

Sincerely,

Molly M. Conrad  
Operations Secretary

/mc

Enclosure

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

<b>1a. Type of Work</b> DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			<b>5. Lease Designation and Serial No.</b> Fed. Lse. #U-017439-B	
<b>b. Type of Well</b> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>			<b>6. If Indian, Allottee or Tribe Name</b> n/a	
<b>2. Name of Operator</b> BALCRON OIL			<b>7. Unit Agreement Name</b> n/a	
<b>3. Address of Operator</b> P.O. Box 21017; Billings, MT 59104			<b>8. Farm or Lease Name</b> Balcron Coyote Federal	
<b>4. Location of Well (Report location clearly and in accordance with any State requirements.)*</b> At surface      1986.8' FNL, 682.1' FEL At proposed prod. zone			<b>9. Well No.</b> 42-6X	
<b>14. Distance in miles and direction from nearest town or post office*</b>			<b>10. Field and Pool, or Wildcat</b> Coyote Basin/Green River	
<b>15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drilg. line, if any)</b>			<b>11. 00, Sec., T., R., H., or SIX, and Survey or Area</b> SE NE Section 6, T8S, R25E	
<b>16. No. of acres in lease</b>			<b>12. County or Parrish</b> Uintah	
<b>17. No. of acres assigned to this well</b> 40			<b>13. State</b> UTAH	
<b>18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.</b>			<b>19. Proposed depth</b> 4,690'	
<b>20. Rotary or cable tools</b> Rotary			<b>21. Elevations (Show whether DF, RT, GR, etc.)</b> GL 5601.7'	
<b>22. Approx. date work will start*</b> August 25, 1992				
<b>23. PROPOSED CASING AND CEMENTING PROGRAM</b>				
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	8-5/8"	24#	260'	250 sx G w/add
7-7/8"	5-1/2"	15.50#	4,690'	See Drilling Program

Operator intends to drill this well in accordance with the attached Federal APD.

**RECEIVED**

AUG 28 1992

DIVISION OF  
OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge.

Signed: Bobbie Schuman  
Bobbie Schuman

Coordinator of Environmental  
and Regulatory Affairs

Date: August 27, 1992

(This space for Federal or State office use)

API NO. 13-017-30346

Approval Date

Approved by: \_\_\_\_\_  
Conditions of approval, if any:

Title: \_\_\_\_\_

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**

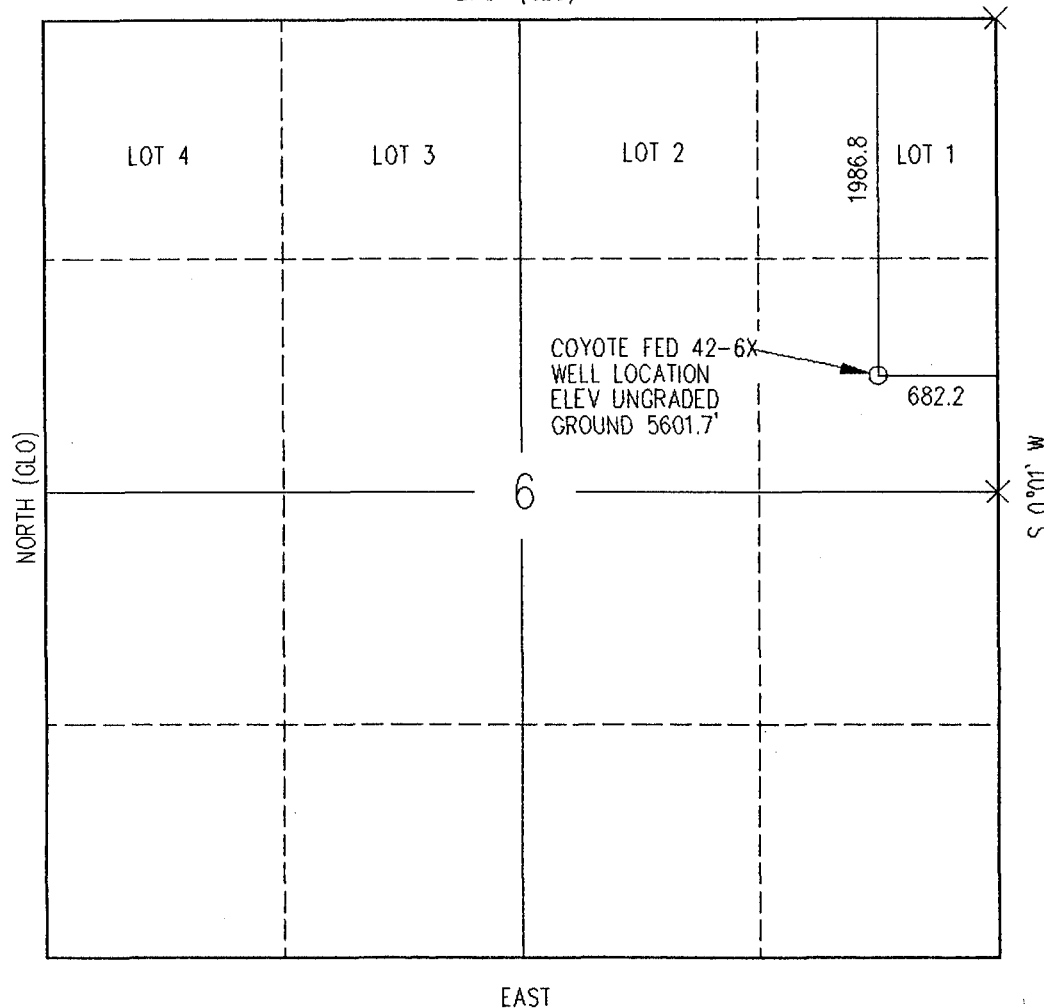
DATE: 8/27/92

BY: [Signature]

WELL SPACING: 2649-3-2

T8S, R25E, S.L.B. & M.

EAST (GLO)



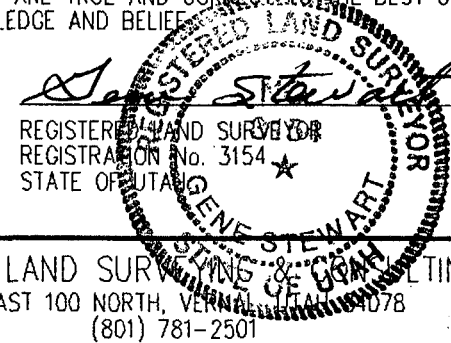
X = SECTION CORNERS LOCATED  
BASIS OF BEARINGS; G.L.O. PLAT 1911  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (DINOSAUR NORTHWEST)

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, COYOTE FED. 42-6X,  
LOCATED AS SHOWN IN THE SE 1/4 NE 1/4  
OF SECTION 6, T8S, R25E, S.L.B. & M,  
UNITA COUNTY UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.



TRI STATE LAND SURVEYING & CONSULTING  
38 EAST 100 NORTH, VERNAL, UTAH 84407  
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: SS KH
DATE: 8/25/92	WEATHER: CLEAR & COOL
NOTES:	FILE # COYOTE FED #42-6X

Schlumberger

CEMENT BOND &amp; GAMMA-RAY &amp; COTAR LOG

COMPANY		BALCRON OIL			
WELL		COYOTE BASIN FEDERAL 42-6X			
FIELD		COYOTE BASIN			
COUNTY		VINTAH		STATE UTAH	
Location		1980' FNL A 5 660' FEL SEL/4, NE, 2		Other Services: PERFORMATE WITH 4" HEGO	
County	Field	Location	Well	Company	
API Serial No		Sect	Two	Range	
		6	85	25E	
Permanent Datum		G.L.	Elev	5601	Elev K.B. 5611
Log Measured From		RKB	10.7 above Perm. Datum		D.F.
Drilling Measured From		RKB			G.L. 5601
Date	9-1-92		Casing Fluid	WATER	
Run No.	ONE		Fluid Level	500'	
Depth-Driller	4660		Max. Rec. Temp.		
Depth-Logger	4644		Bottom Cement Top		
Str. Log Interval	4641		Dist. District	131 - VERMILION	
Top Log Interval	2650		Recorded By	HOWARD E. ROUSH	
Open Hole Size	8 5/8		Witnessed By	DALE GRIFFIN	
CASING REC	Size	Wt/Ft	Grade	Type Joint	Top Bottom
Surface String	5.6	7			SURE TD
Prod. String					
Prod. String					
Liner					
PRIMARY CEMENTING DATA					
STRING	Size	Protection	Production	Liner	
Vol. of Cement					
Type of Cement					
Additive					
Retarder					
Wt. of slurry					
Water loss					
Type fluid in csq.					
Fluid wt					

Logs 9 Pass Strip Depth 2630.3 feet  
Logging Pass Start Depth 4648.8 feet

Job Name

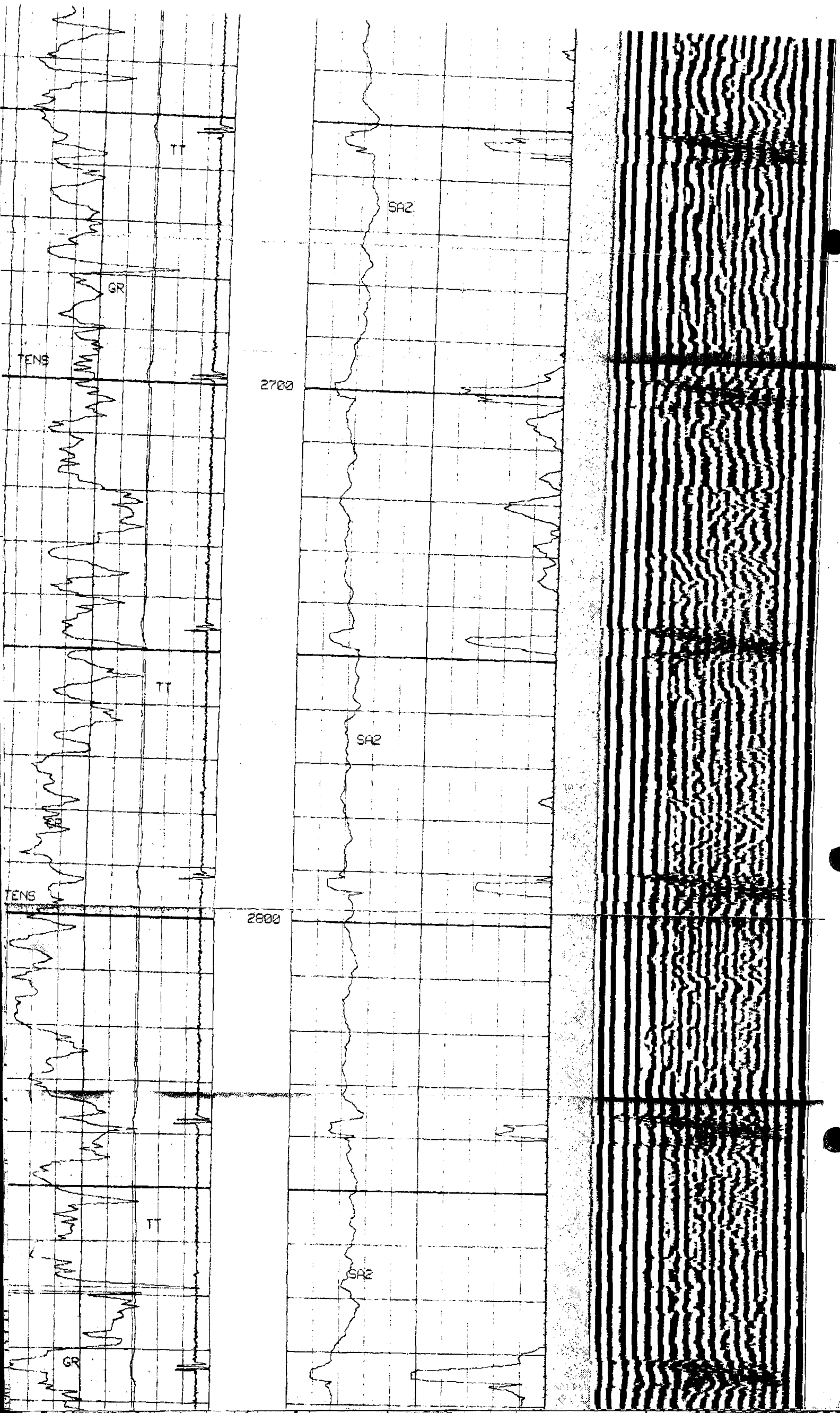
No Scale Changes

TT2 (US)	200
TENS (LB)	3000
GR (GAPI)	150
CCL	200

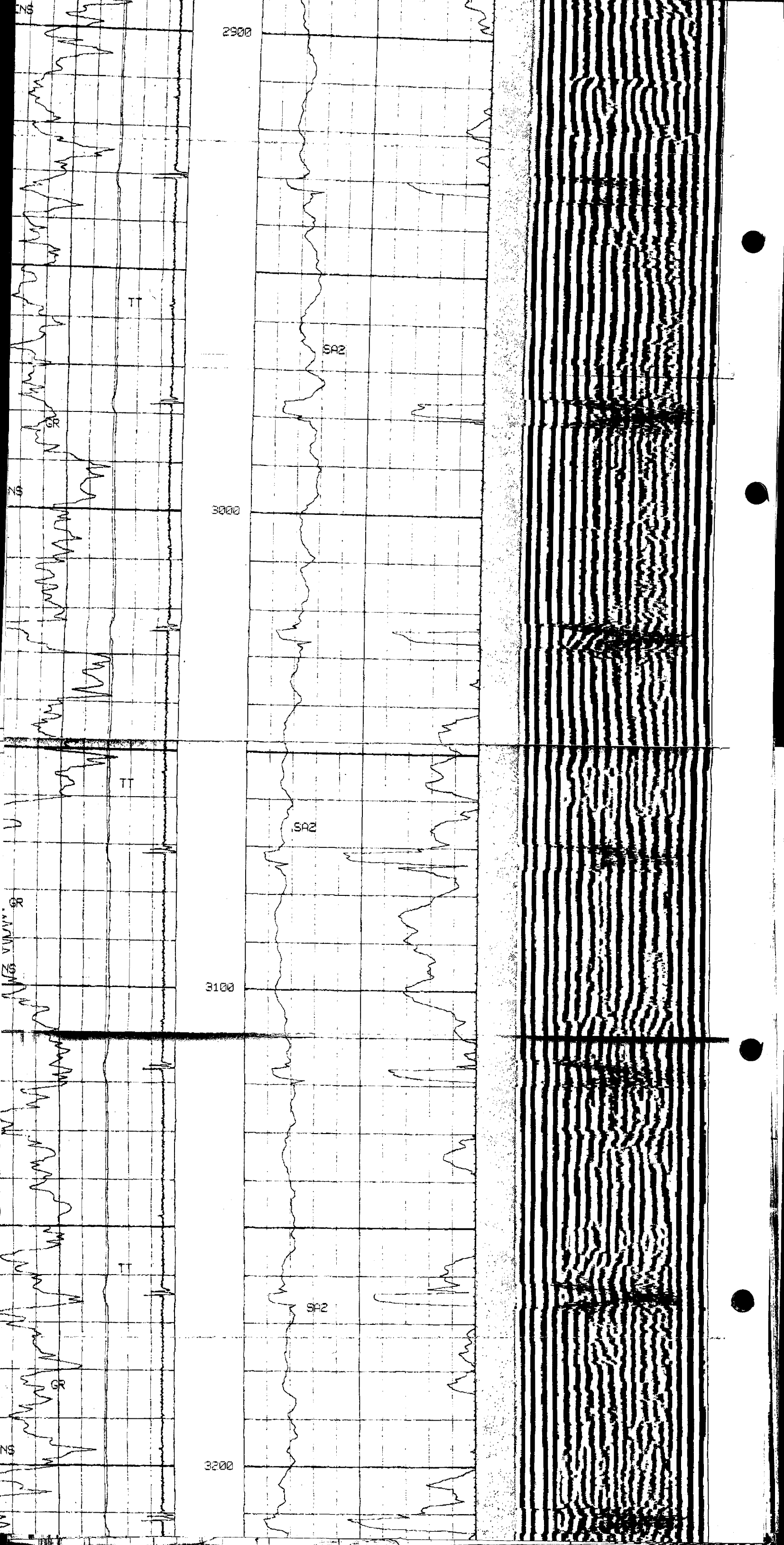
0	Amp SA2 (MV)	20
0	SA2 (MV)	100

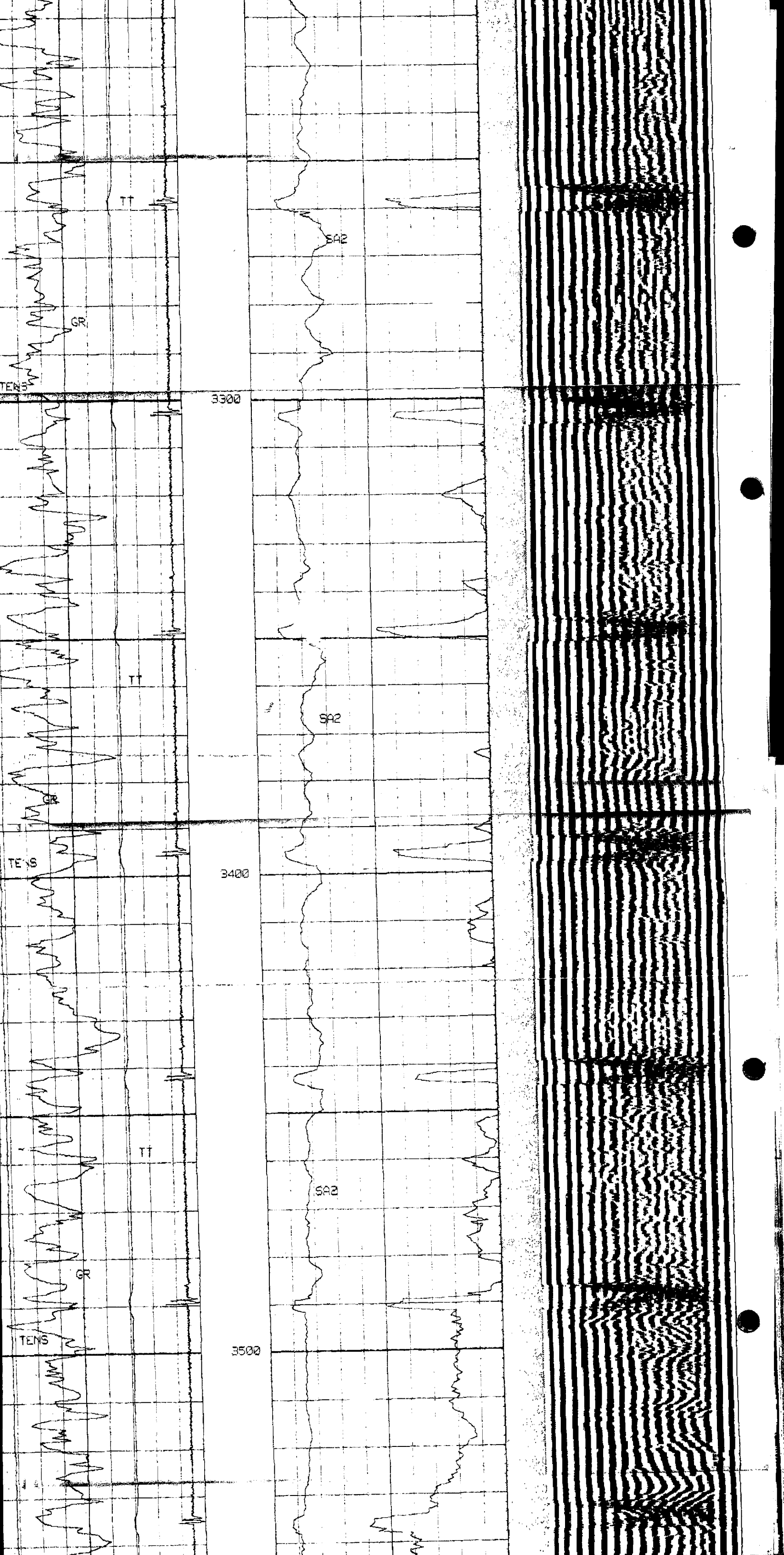
200	VDL	1200
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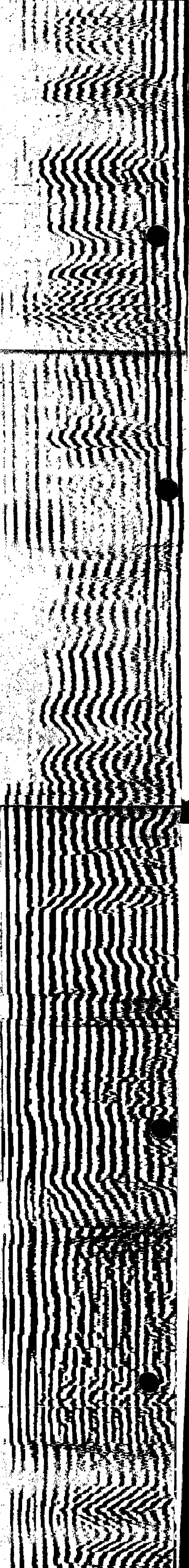
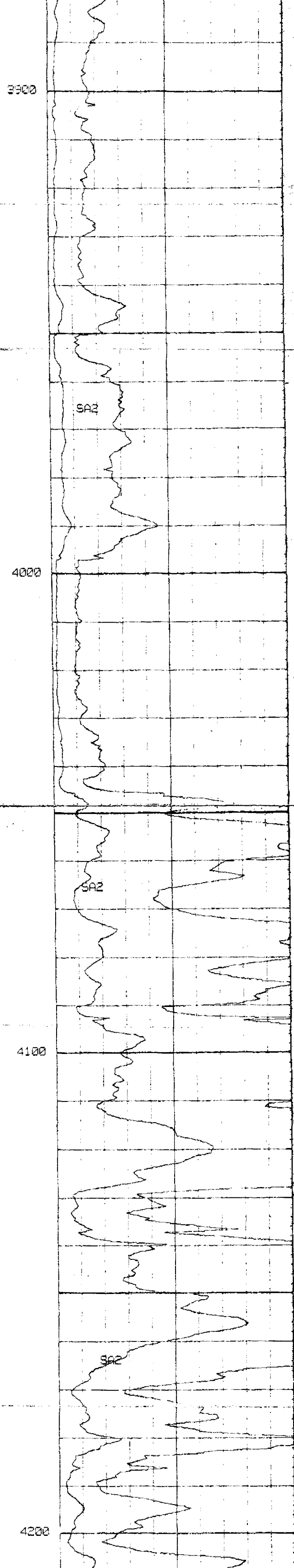
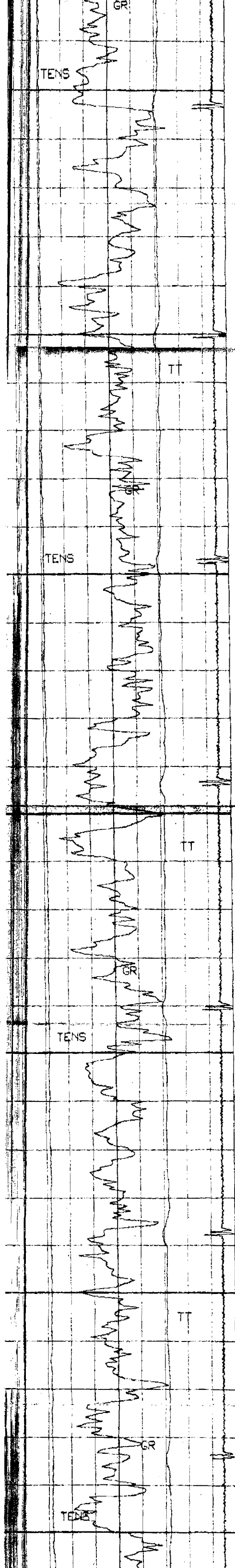
O-PSI ON WELL

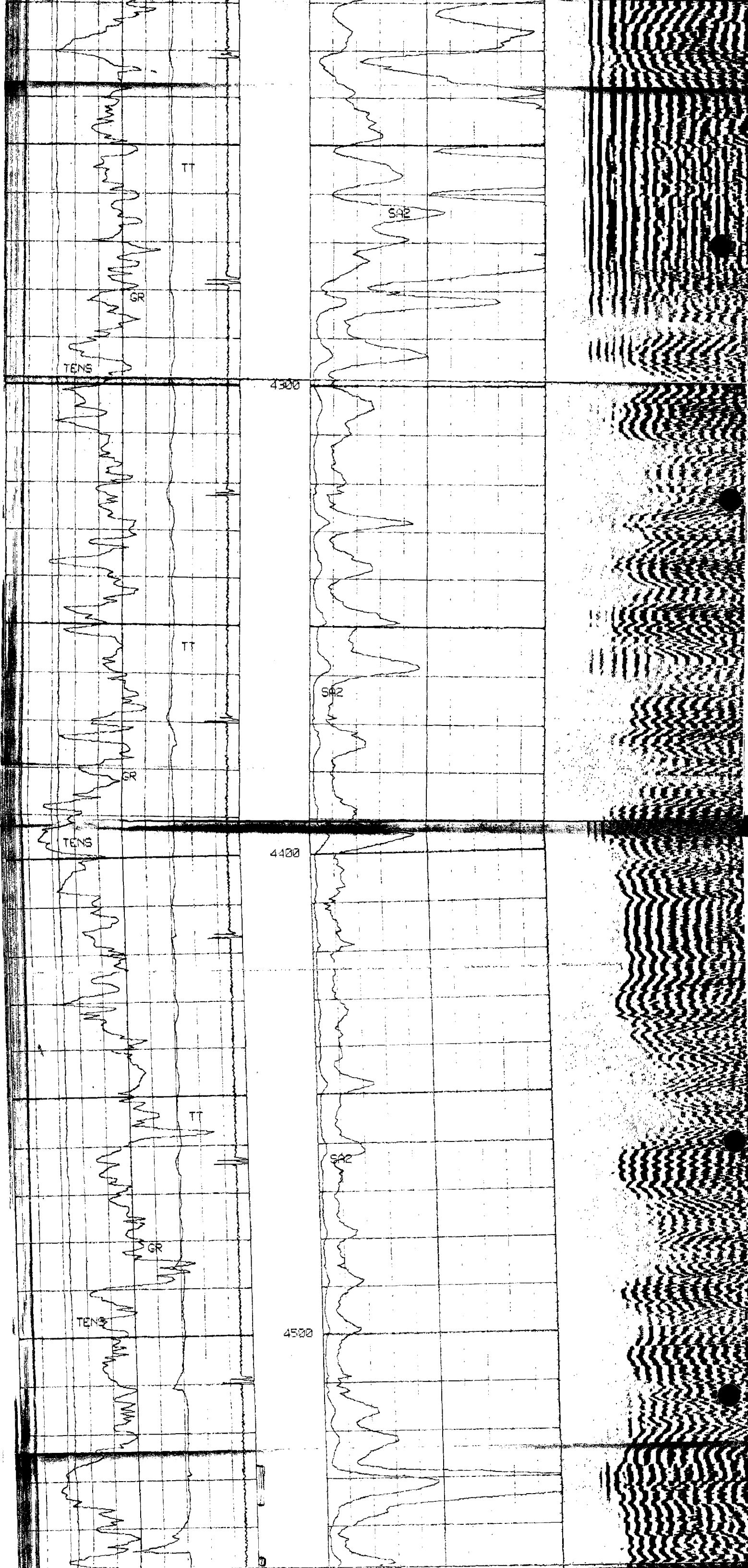


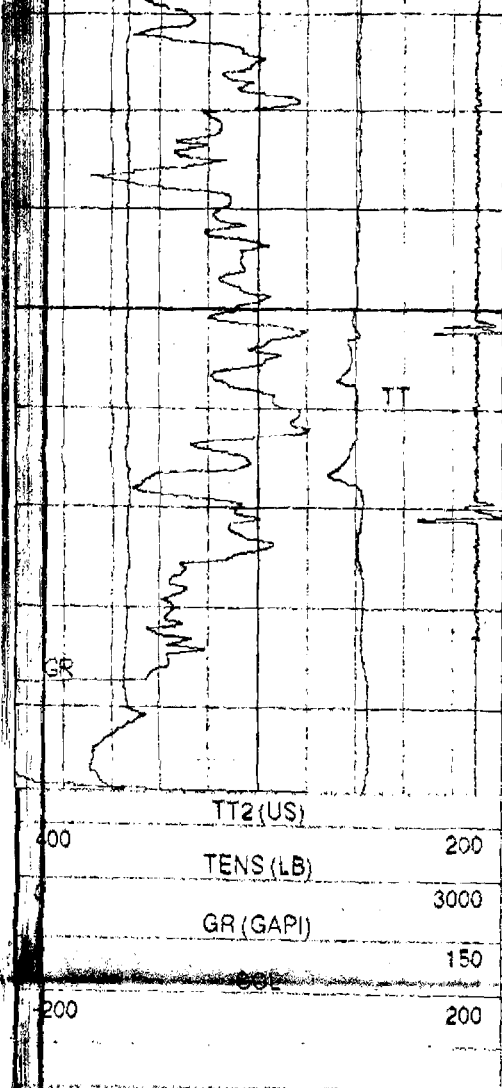






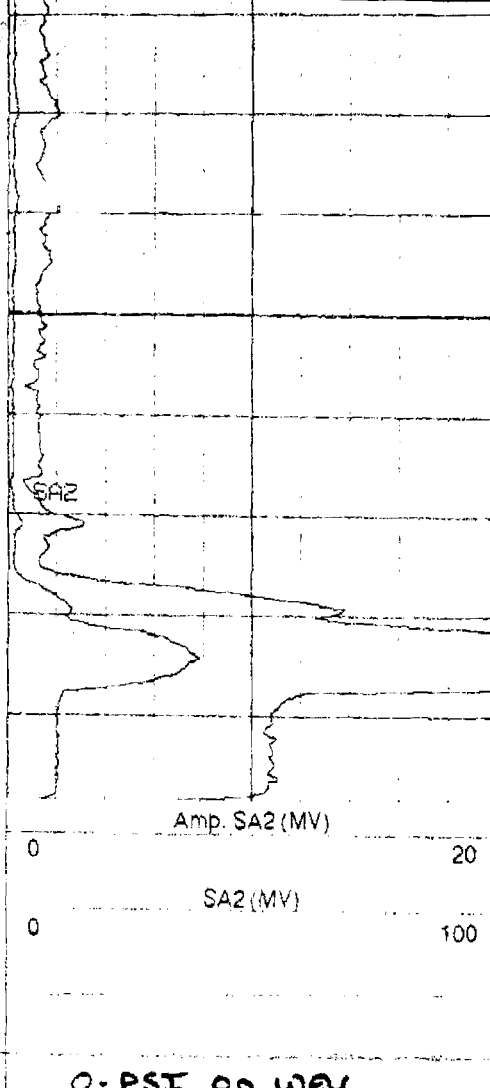






4500

TD



0. PSI on well

Sensor Measure Point to Tool Zero

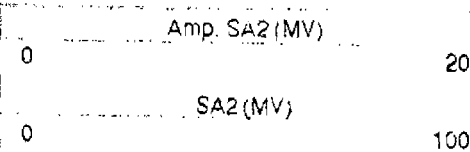
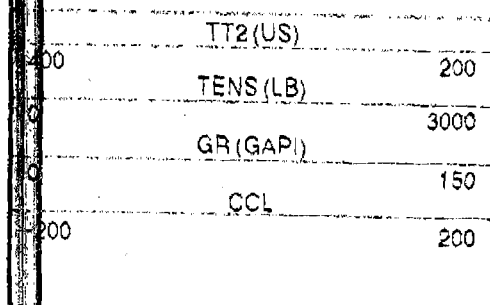
Tension 0.0 feet  
SLTJ 3.4 feet  
SGT 15.5 feet  
CCL-AJ 0.0 feet

Software Version UX120

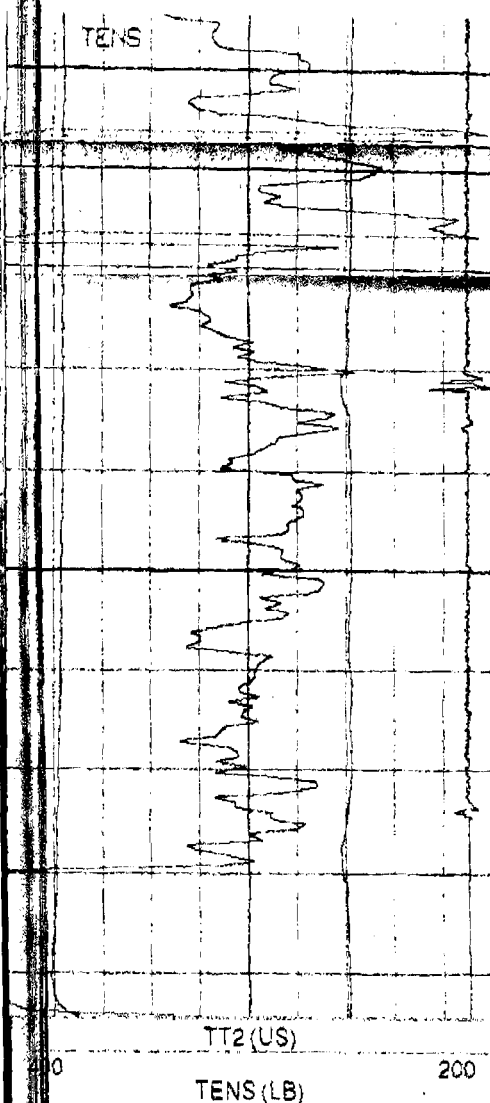
Logging Pass Stop Depth 1694.4 feet  
Logging Pass Start Depth 1794.7 feet

Job Name 13333333  
File Name 09019203

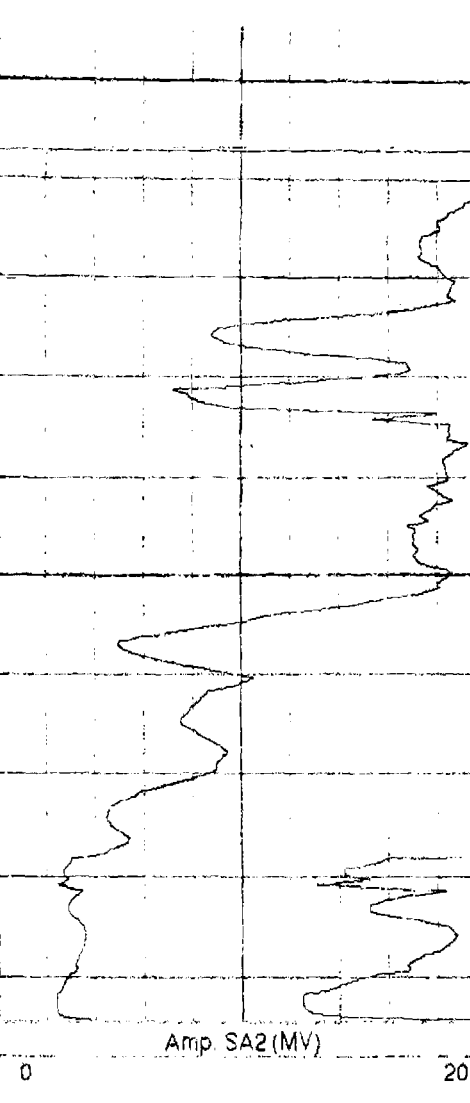
No Scale Changes



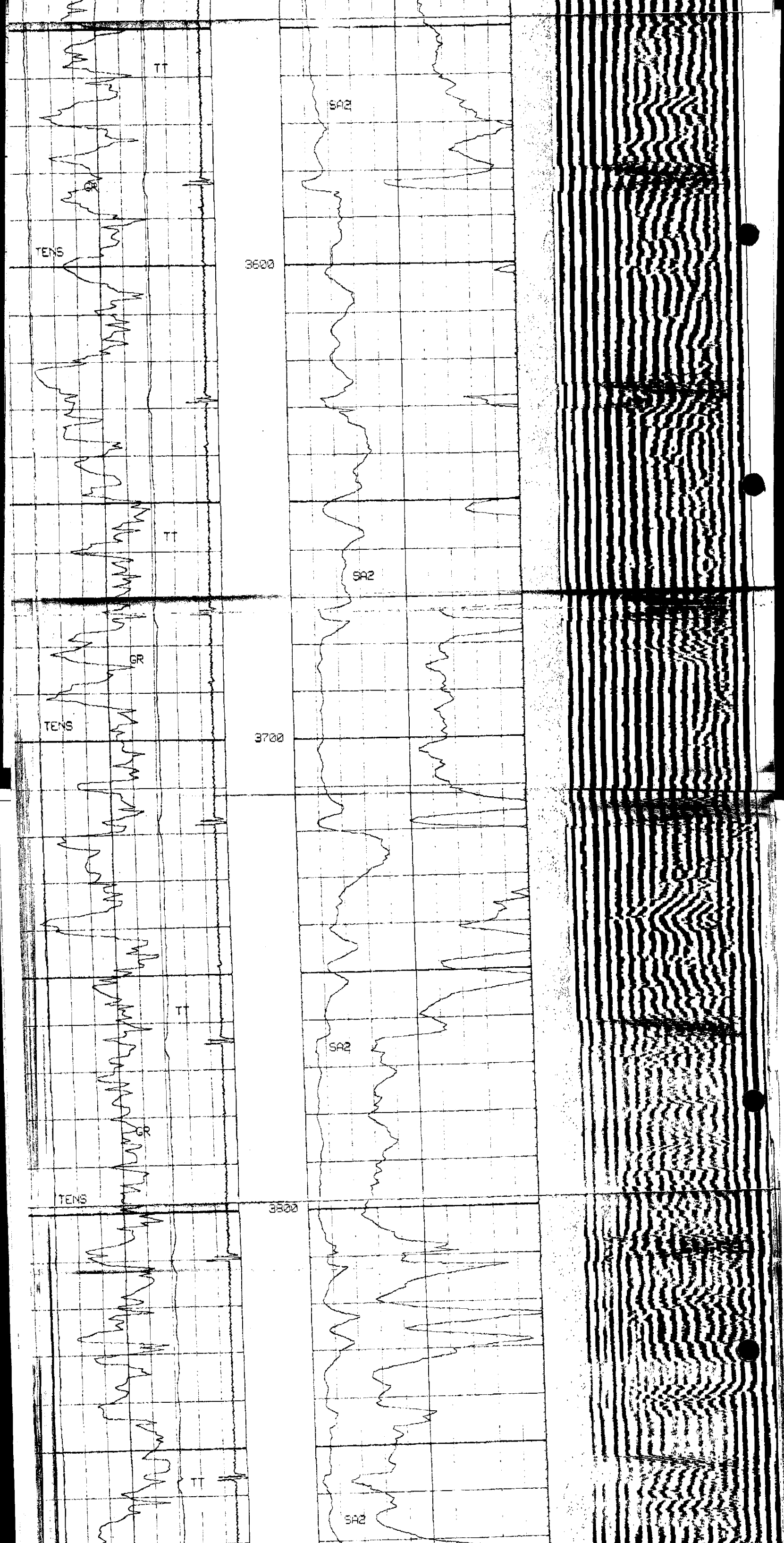
CEMENT TOP



1700







Sensor Measure Point to Tool Zero

Tension	0.0 feet
SLTJ	3.4 feet
SGT	15.5 feet
CCL-AJ	0.0 feet

Software Version UX120

Logging Pass	Depth	4471.5 feet
Logging Pass	Start Depth	4660.7 feet

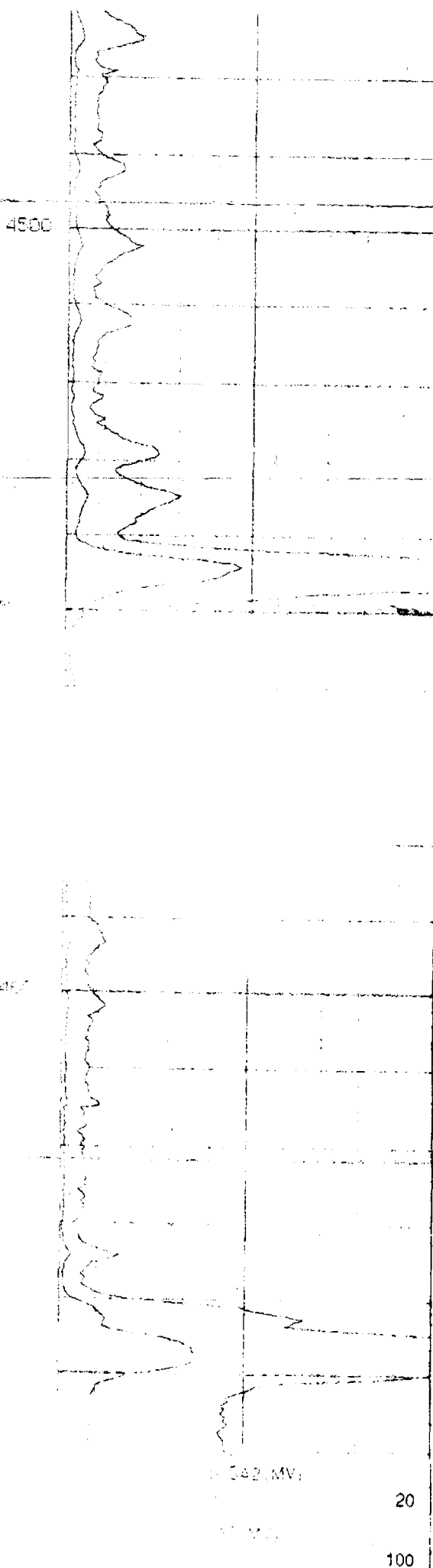
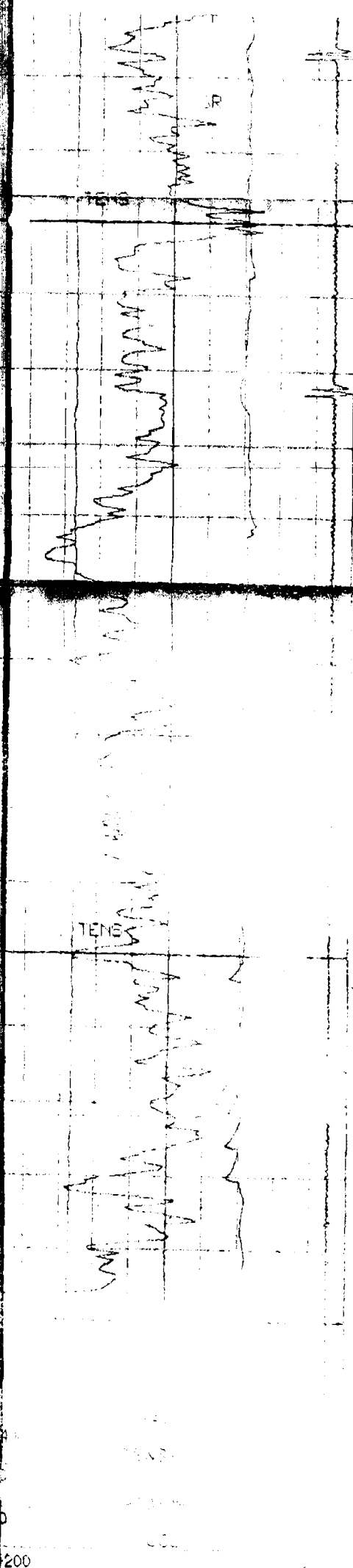
Job Name	13333333
File Name	09019201

No Scale Changes

TT2 (US)	200
TENS (LB)	3000
GR (GAPI)	150
CCL	200

Amp SA2 (MV)	20
SA2 (MV)	100
VDL	200

REPEAT SECTION



DAILY OPERATING REPORTBALCRON COYOTE #42-6XLocation: SE NE Section 6, T8S, R25E  
Uintah County, Utah

---TIGHT HOLE---

- 8-26-92 Completion  
MIRU Cannon Well Service. Ready to start completion.
- 8-28-92 Completion  
Set rig anchors, dig up & cut off oil csg head, dig out mud around wellhead to fill w/gravel.  
DC: \$523 CC: \$133,104
- 8-31-92 Completion  
Present Operation: SDFN  
MIRU, NU BOP, MI pump, flat tank & 2-7/8" tbhg. Tally in hole w/5-1/2 csg, scraper, 146 jts 2-7/8" tbhg. Tag btm @ 4655' KB. RU pump, circ well bore clean w/120 bbls of 2% KCL wtr. TOOH w/tbhg & scraper.  
DC: \$2,411 CC: \$135,515
- 9-1-92 Completion  
RU Schlumberger to run bond log & perforate. Top of cement @ 1712'KB, top of good bond @ 4280'KB. TIH w/4" perf. gun, perforate @ 4556'-4574'KB w/2 SPF. TOOH w/gun. TIH w/22' 4" gun, perforate w/2 SPF @ 4527'-4535'KB and 4536'-4548'KB. RD Schlumberger, TIH w/1 jt. 2-7/8" tbhg, 5-1/2" dbl. grip packer and 140 jts 2-7/8" tbhg, set packer @ 4482'KB. RU to swab, tag fluid @ 100' below surface, made 5 runs, 26 bbls, swab down to SN. RU Western, pressure test surface equipment to 6000 psi. O.K. Load casing & pressure test to 1000 psi. Load tbhg w/24.5 bbls of 2% KCL water. Pump 5.5 bbls, start dropping balls at rate of 3 balls per minute, flow rate 6 BPM. 2400 psi, max pressure 3600, minimum pressure 2000, average pressure 2400, no ball off, ISIP 1100 psi, 5 min. 800 psi. Release pressure & RD Western. 115 bbl of load. RU to swab. Tag fluid at surface, made 19 runs, swab back 96 bbl of water, RU to circ. release packer, tag bottom, circulate ball out w/110 bbl 2% KCL water. TOOH w/32 jts 2-7/8" tbhg. SIFN.  
DC: \$17,313 CC: \$152,828
- 9-2-92 Completion  
Present Operation: SD for pressure build-up  
TOOH w/2-7/8" tbhg & 5-1/2" packer. TIH w/5-12" SE BP, retrieve tool, F nipple, 1 jt tbhg, 5-1/2" HO retrieve packer, 5-1/2 mech collar locator, blank nipple, 4' perf sub, 141 jts 2-7/8" tbhg, set BP @ 4540' KB, pull up, set packer, @ 4484' KB. SWI for BH pressure build-up. MI 2 500 bbl tanks & load w/fresh wtr for frac.  
DC: \$1,601 CC: \$21,325

Post-It™ brand fax transmittal memo 7671		# of pages ▶
To: State of Utah	From: Merv Conrad	
Co: Oil, Gas & Mining	Co: Balcron Oil	
Dept.	Phone # 406-239-7860	
Fax # 801-359-3940	Fax # 406-245-1361	



DAILY OPERATING REPORTBALCRON COYOTE #42-6X

Location: SE NE Section 6, T8S, R25E  
Uintah County, Utah

---TIGHT HOLE---

8-26-92 Completion  
MIRU Cannon Well Service. Ready to start completion.

8-28-92 Completion  
Set rig anchors, dig up & cut off oil csg head, dig out mud  
around wellhead to fill w/gravel.  
DC: \$523 CC: \$133,104

8-31-92 Completion  
Present Operation: SDFN  
MIRU, NU BOP, MI pump, flat tank & 2-7/8" tbg. Tally in hole  
w/5-1/2 csg, scraper, 146 jts 2-7/8" tbg. Tag btm @ 4655' KB.  
RU pump, circ well bore clean w/120 bbls of 2% KCL wtr. TOOH  
w/tbg & scraper.  
DC: \$2,411 CC: \$135,515

Post-It™ brand fax transmittal memo 7671		# of pages ▶	
To	State of Utah	From	Molly Conrad
Co.	Oil, Gas & Mining	Co.	Balcron Oil
Dept.		Phone #	406-259-7860
Fax #	801-359-3940	Fax #	406-245-1361

DAILY OPERATING REPORTBALCRON COYOTE #42-6X

Location: SE NE Section 6, T8S, R25E

Uintah County, Utah

---TIGHT HOLE---

- 8-19-92 TD: 3,656' (401') Day 7  
Formation: Green River  
MW 9.2 VIS 33 pH 9.4 WL 25.6  
Present Operation: Drilling  
Drilling ahead.  
DC: \$6,767 CC: \$62,247
- 8-20-92 TD: 4,025' (369') Day 8  
Formation: Green River  
MW 8.7 VIS 33 pH 9.6 kWL 30.6  
Present Operation: Drilling  
Drilling ahead. Lost returns 3704', lost 400 STB mud. Mix  
LCM and retrieved circulation in 150 STB mud.  
DC: \$7,766 CC: \$70,013
- 8-21-92 TD: 4,460' (435') Day 9  
Formation: Green River  
MW 9 VIS 33 pH 10.1 WL 25.6  
Present Operation: Drilling  
Drill ahead.  
DC: \$6,022 CC: \$76,035
- 8-22-92 TD: 4,647' (187') Day 10  
Formation: Green River  
MW 8.5 VIS 34  
Present Operation: Mixed LCM.  
Lost returns @ 4647'.  
DC: \$5,248 CC: \$81,283
- 8-23-92 TD: 4,700' (153') Day 11  
Formation: Green River  
MW 8.7 VIS 33 pH 10 WL 24.8  
Present Operation: RD Loggers  
Attempted to log - stopped @ 3760'. 2nd run DIL-SFL, FDC-CNL-  
NGT. Logger's TD 4,677'. SLM - 4699.70'.  
DC: \$14,560 CC: \$95,843
- 8-24-92 TD: 4,700' (0') Day 12  
Formation: Green River  
MW 8.7 VIS 33 pH 9.7 WL 24.4  
Present Operation: Rig Released.  
Ran 102 jts, 5-12", 15.5 #/ft, J-55 csg; landed at 4,700'.  
Cmt'd w/194 sxs Class "G" 4% Thrifty-Lite, 3% salt, 3#/sx CSE,  
1/4#/sx Celoflake, 3% Nifill. Tailed w/142 sxs 50/50 POZ, 2%  
gel, 10% salt - plug down at 8:45 p.m. 8-23-92. Rig released  
@ 12:00 midnight.  
DC: \$36,738 CC: \$132,581
- 8-26-92 Completion  
MIRU Cannon Well Service. Ready to start completion.

14061361

8-2-92 WED 9:42

DAILY OPERATING REPORTBALCRON COYOTE #42-6X

Location: SE NE Section 6, T8S, R25E  
Uintah County, Utah

---TIGHT HOLE---

- 8-26-92 Completion  
MIRU Cannon Well Service. Ready to start completion.
- 8-28-92 Completion  
Set rig anchors, dig up & cut off oil csg head, dig out mud around wellhead to fill w/gravel.  
DC: \$523 CC: \$133,104
- 8-31-92 Completion  
Present Operation: SDFN  
MIRU, NU BOP, MI pump, flat tank & 2-7/8" tbq. Tally in hole w/5-1/2 csg, scraper, 146 jts 2-7/8" tbq. Tag btm @ 4655' KB. RU pump, circ well bore clean w/120 bbls of 2% KCL wtr. TOOH w/tbq & scraper.  
DC: \$2,411 CC: \$135,515
- 9-1-92 Completion  
RU Schlumberger to run bond log & perforate. Top of cement @ 1712'KB, top of good bond @ 4280'KB. TIH w/4" perf. gun, perforate @ 4556'-4574'KB w/2 SPF. TOOH w/gun. TIH w/22' 4" gun, perforate w/2 SPF @ 4527'-4535'KB and 4536'-4548'KB. RD Schlumberger, TIH w/1 jt. 2-7/8" tbq, 5-1/2" dbl. grip packer and 140 jts 2-7/8" tbq, set packer @ 4482'KB. RU to swab, tag fluid @ 100' below surface, made 5 runs, 26 bbls, swab down to SN. RU Western, pressure test surface equipment to 6000 psi. O.K. Load casing & pressure test to 1000 psi. Load tbq w/24.5 bbls of 2% KCL water. Pump 5.5 bbls, start dropping balls at rate of 3 balls per minute, flow rate 6 BPM. 2400 psi, max pressure 3600, minimum pressure 2000, average pressure 2400, no ball off, ISIP 1100 psi, 5 min. 800 psi. Release pressure & RD Western. 115 bbl of load. RU to swab. Tag fluid at surface, made 19 runs, swab back 96 bbl of water, RU to circ. release packer, tag bottom, circulate ball out w/110 bbl 2% KCL water. TOOH w/32 jts 2-7/8" tbq. SIFN.  
DC: \$17,313 CC: \$152,828

DAILY OPERATING REPORTBALCRON COYOTE #42-6X

Location: SE NE Section 6, T88, R25E  
Uintah County, Utah

---TIGHT HOLE---

8-26-92 Completion  
MIRU Cannon Well Service. Ready to start completion.

8-28-92 Completion  
Set rig anchors, dig up & cut off oil csg head, dig out mud  
around wellhead to fill w/gravel.  
DC: \$523 CC: \$133,104

DAILY OPERATING REPORTBALCRON COYOTE #42-6X

Location: SE NE Section 6, T8S, R25E  
Uintah County, Utah

---TIGHT HOLE---

8-19-92 TD: 3,656' (401') Day 7  
Formation: Green River  
MW 9.2 VIS 33 pH 9.4 WL 25.6  
Present Operation: Drilling  
Drilling ahead.  
DC: \$6,767 CC: \$62,247

8-20-92 TD: 4,025' (369') Day 8  
Formation: Green River  
MW 8.7 VIS 33 pH 9.6 KWL 30.6  
Present Operation: Drilling  
Drilling ahead. Lost returns 3704', lost 400 STB mud. Mix  
LCM and retrieved circulation in 150 STB mud.  
DC: \$7,766 CC: \$70,013

8-21-92 TD: 4,460' (435') Day 9  
Formation: Green River  
MW 9 VIS 33 pH 10.1 WL 25.6  
Present Operation: Drilling  
Drill ahead.  
DC: \$6,022 CC: \$76,035

8-22-92 TD: 4,647' (187') Day 10  
Formation: Green River  
MW 8.5 VIS 34  
Present Operation: Mixed LCM.  
Lost returns @ 4647'.  
DC: \$5,248 CC: \$81,283

8-23-92 TD: 4,700' (153') Day 11  
Formation: Green River  
MW 8.7 VIS 33 pH 10 WL 24.8  
Present Operation: RD Loggers  
Attempted to log - stopped @ 3760'. 2nd run DIL-SFL, FDC-CNL-  
NGT. Logger's TD 4,677'. SLM - 4699.70'.  
DC: \$14,560 CC: \$95,843

8-24-92 TD: 4,700' (0') Day 12  
Formation: Green River  
MW 8.7 VIS 33 pH 9.7 WL 24.4  
Present Operation: Rig Released.  
Ran 102 jts, 5-12", 15.5 #/ft, J-55 csg; landed at 4,700'.  
Cmt'd w/194 sxs Class "G" 4% Thrifty-Lite, 3% salt, 3#/sx CSE,  
1/4#/sx Celoflake, 3% Nifill. Tailed w/142 sxs 50/50 POZ, 2%  
gel, 10% salt - plug down at 8:45 p.m. 8-23-92. Rig released  
@ 12:00 midnight.  
DC: \$36,738 CC: \$132,581

F

## DAILY OPERATING REPORT

BALCRON COYOTE #42-6X

Location: SE NE Section 6, T8S, R25E  
 Uintah County, Utah

**---TIGHT HOLE---**

8-19-92 TD: 3,656' (401') Day 7  
Formation: Green River  
MW 9.2 VIS 33 pH 9.4 WL 25.6  
Present Operation: Drilling  
Drilling ahead.  
DC: \$6,767 CC: \$62

CC: \$62,247

8-20-92 TD: 4,025' (369') Day 8  
Formation: Green River  
MW 8.7 VIS 33 pH 9.6 kWL 30.6  
Present Operation: Drilling  
Drilling ahead. Lost returns 3704', lost 400 STB mud. Mix  
LCM and retrieved circulation in 150 STB mud.  
DC: \$7,766 CC: \$70,013

8-21-92 TD: 4,460' (435') Day 9  
Formation: Green River  
MW 9 VIS 33 pH 10.1 WL 25.6  
Present Operation: Drilling  
Drill ahead.  
DC: \$6,022 CC: \$76,035

CC: \$76,035

OIL AND GAS	
RJF	
1 FRM	
SLS	
GLH	
DTS	
22-10-12	

MICROFILM

DAILY OPERATING REPORTBALCRON COYOTE #42-6X

Location: SE NE Section 6, T8S, R25E

Uintah County, Utah

PTD: 4,450' Formation: Wasatch Tongue of Green River

Green River Prospect

Contractor: Elenburg rig #14

Operator: Balcron/EREC

Spud: 8-12-92 @ 4:15

Casing: 8-5/8" @ 262'

---TIGHT HOLE---

- 8-13-92 TD: 265' (265') Day 1  
MW 8.3 VIS 27 pH 11  
Present Operation: WOC  
Spudded well @ 4:15 PM 8-12-92. Ran 262', 8 5/8", 24#, with  
reg shoe, insert float & 4 centralizers. Landed @ 262' KB.  
Cemented with 190 sx Class "G" w/2% CaCl & 1/9#/sx Celoflakes.  
Good returns, cement to surface.  
DC: \$10,690 CC: \$10,690
- 8-14-92 TD: 1362' (1097') Day 2  
MW 8.3 VIS 27 pH 11.8  
Present Operation: Drilling  
Test BOPE to 1500psi.  
DC: \$14,526 CC: \$25,216
- 8-15-92 TD: 2,177' (815') Day 3  
Formation: Green River  
MW 8.7 VIS 31 pH 9.7 WL 20.8  
Present Operation: Drilling  
Lost partial returns @ 1980' - 500 bbls. Mudded up and  
regained circulation.  
DC: \$11,890 CC: \$37,106
- 8-16-92 TD: 2,503' (326') Day 4  
Formation: Green River  
MW 8.6 VIS 38 pH 8.6 WL 28.4  
Present Operation: Drilling  
Lost returns @ 2,389' & 2,396'. Total of 200 bbls.  
DC: \$5,578 CC: \$49,684
- 8-17-92 TD: 2,739' (236') Day 5  
Formation: Green River  
MW 8.5 VIS 30 pH 10.8 WL 38.4  
Present Operation: Mixing LCM  
Lost circ @ 2,739' - 100 bbls. Tripped for bit @ 2,587'.  
Tripped for plugged bit @ 2,587'.  
DC: \$5,391 CC: \$48,075
- 8-18-92 TD: 3,255' (516') Day 6  
Formation: Green River  
MW 8.6 VIS 30 pH 11 WL No Control  
Present Operation: Drilling  
Drilling ahead. Trip for bit @ 2,628' (Bit #4).  
DC: \$7,405 CC: \$55,480

DAILY OPERATING REPORTBALCRON COYOTE #42-6X

Location: SE NE Section 6, T8S, R25E  
 Uintah County, Utah

---TIGHT HOLE---

8-19-92 TD: 3,656' (401') Day 7  
 Formation: Green River  
 MW 9.2 VIS 33 pH 9.4 WL 25.6  
 Present Operation: Drilling  
 Drilling ahead.  
 DC: \$6,767 CC: \$62,247

Post-It™ brand fax transmittal memo 7671 # of pages 1

To	State of Utah	From	Molly Conrad
Co.		Co.	Balcron Oil
Dept.		Phone #	(266) 259-7800
Fax #	(801) 359-3940	Fax #	(406) 245-1361

## OIL AND GAS

RJF	
FRM	
SLS	
GLH	
DTS	
2 DTS	
MICROFILM	
FILE	



DAILY OPERATING REPORTBALCRON COYOTE #42-6X

Location: SE NE Section 6, T8S, R25E

Uintah County, Utah

---TIGHT HOLE---

PTD: 4,450' Formation: Wasatch Tongue of Green River

Green River Prospect

Contractor: Elenburg rig #14

Operator: Balcron/EREC

Spud: 8-12-92 @ 4:15

Casing: 8-5/8" @ 262'

- 8-13-92 TD: 265' (265') Day 1  
MW 8.3 VIS 27 pH 11  
Present Operation: WOC  
Spudded well @ 4:15 PM 8-12-92. Ran 262', 8 5/8", 24#, with reg shoe, insert float & 4 centralizers. Landed @ 262' KB. Cemented with 190 sx Class "G" w/2% CaCl & 1/9#/sx Celoflakes. Good returns, cement to surface.  
DC: \$10,690 CC: \$10,690
- 8-14-92 TD: 1362' (1097') Day 2  
MW 8.3 VIS 27 pH 11.8  
Present Operation: Drilling  
Test BOPE to 1500psi.  
DC: \$14,526 CC: \$25,216
- 8-15-92 TD: 2,177' (815') Day 3  
Formation: Green River  
MW 8.7 VIS 31 pH 9.7 WL 20.8  
Present Operation: Drilling  
Lost partial returns @ 1980' - 500 bbls. Mudded up and regained circulation.  
DC: \$11,890 CC: \$37,106
- 8-16-92 TD: 2,503' (326') Day 4  
Formation: Green River  
MW 8.6 VIS 38 pH 8.6 WL 28.4  
Present Operation: Drilling  
Lost returns @ 2,389' & 2,396'. Total of 200 bbls.  
DC: \$5,578 CC: \$49,684
- 8-17-92 TD: 2,739' (236') Day 5  
Formation: Green River  
MW 8.5 VIS 30 pH 10.8 WL 38.4  
Present Operation: Mixing LCM  
Lost circ @ 2,739' - 100 bbls. Tripped for bit @ 2,587'. Tripped for plugged bit @ 2,587'.  
DC: \$5,391 CC: \$48,075

Post-It™ brand fax transmittal memo 7671		# of pages ▶
To: State of Utah	From: Molly Conrad	
Co.	Co: Balcron Oil	
Dept.	Phone # (206) 259-7860	
Fax # (801) 359-3940	Fax # (206) 245-1361	

DAILY OPERATING REPORTBALCRON COYOTE #42-6X

Location: SE NE Section 6, T8S, R25E

Uintah County, Utah

---TIGHT HOLE---

PTD: 4,450' Formation: Wasatch Tongue of Green River

Green River Prospect

Contractor: Elenburg rig #14

Operator: Balcron/EREC

Spud: 8-12-92 @ 4:15

Casing: 8-5/8" @ 262'

8-13-92 TD: 265' (265') Day 1  
MW 8.3 VIS 27 pH 11

Present Operation: WOC

Spudded well @ 4:15 PM 8-12-92. Ran 262', 8 5/8", 24#, with  
reg shoe, insert float & 4 centralizers. Landed @ 262' KB.  
Cemented with 190 sx Class "G" w/2% CaCl & 1/9#/sx Celoflakes.  
Good returns, cement to surface.

DC: \$10,690

CC: \$10,690

8-14-92 TD: 1362' (1097') Day 2

MW 8.3 VIS 27 pH 11.8

Present Operation: Drilling

Test BOPE to 1500psi.

DC: \$14,526

CC: \$25,216

Post-It™ brand fax transmittal memo 7671

# of pages ▶

To	State of Utah	From	Molly Conrad
Co.		Co.	Balcron Oil
Dept.		Phone #	(206) 259-7800
Fax #	(801) 359-3940	Fax #	(406) 245-1361

#42-6 X  
Rig  
Skid

OIL AND GAS	
RJF	
FRM	
SLS	
GLH	
DTF	
2706	
MICROFILM	
3	FILE

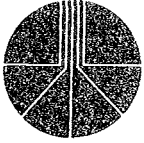
DAILY OPERATING REPORT

BALCRON COYOTE #42-6X

Location: SE NE Section 6, T8S, R25E  
Uintah County, Utah

---TIGHT HOLE---

- 9-3-92 Completion  
Present Operation: SDFN  
Release packer, retrieve BP, TooH w/tbg & BHA. RU Western to frac. Pressure test surf equipment to 4500 psig. Frac well (see frac report). SDFN.  
DC: \$34,091 CC: \$188,520
- 9-4-92 Completion  
Present Operation: SD for holiday.  
Csg psi slight blow. TIH w/2 jts, 2-7/8" tbg, R-3 packer, SN & 138 jts tbg, tag fluid @ 4417' KB. RU to circ fill out. Clean out to 4655' KB. Set packer @ 4449' KB, btm of tbg @ 4513' KB. RU to swab. Made 14 swab runs. Swabbed back 84 bbls total fluid. last 4 runs, fluid level stable @ 1900'.  
SDF weekend.  
DC: \$3,042 CC: \$191,562
- 9-9-92 Completion  
Csg = 0 psi. Tbg pressure slight blow. Tag fluid @ 1800'. Made 42 swab runs. Recovered 250 bbls of fluid, 100% wtr, trace of oil Last 10 runs fluid level stabilized @ 3300'.  
SDFN. Load to recover 391 bbls.  
DC: \$1,833 CC: \$193,547

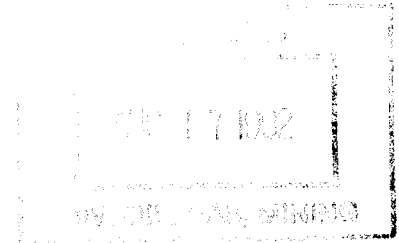


## BALCRON OIL

A Division of  
Equitable Resources Energy Company

P.O. Box 21017  
1601 Lewis Avenue Building  
Billings, Montana 59104  
(406) 259-7860

August 13, 1992



State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Gentlemen:

RE: Balcron Coyote Federal #42-6X  
SE NE Section 6, T8S, R25E  
Uintah County, Utah

Enclosed is a sundry notice of spud and running casing on the referenced well.

As soon as it is deemed safe enough for the surveyor to be on location to survey, we will have this done and forward a survey plat and Application for Permit to Drill to you.

Thank you very much for your help in this matter.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

P.S. Also enclosed is our Entity Action Form */rs*

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<p align="center"><b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</p>		<p>5. LEASE DESIGNATION &amp; SERIAL NO. FLS #U-017439-B</p>
<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p>		<p>6. IF INDIAN ALLOTTEE OR TRIBE NAME n/a</p>
<p>2. NAME OF OPERATOR BALCRON OIL</p>		<p>7. UNIT AGREEMENT NAME n/a</p>
<p>3. ADDRESS OF OPERATOR P.O. Box 21017; Billings, MT 59104</p>		<p>8. FARM OR LEASE NAME Balcron Coyote Federal</p>
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  At proposed prod. zone</p>		<p>9. WELL NO. #42-6X</p>
<p>14. API NO.</p>		<p>10. FIELD AND POOL, OR WILDCAT Coyote Basin/Green River</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.)</p>		<p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE NE Sec. 6, T8S, R25E</p>
<p>12. COUNTY Uintah</p>		<p>13. STATE UTAH</p>

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

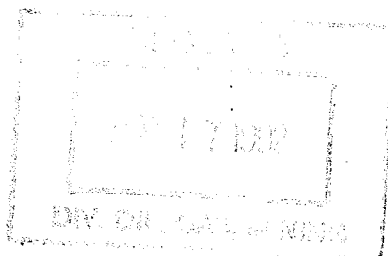
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>spud and running casing</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

\* Must be accompanied by a cement verification report.

This well was spud at 4:15 p.m. 8/12/92. Ran 262' 8-5/8" 24# casing; Landed at 262' KB. Cemented w/190 sx Class G w/2% CaCl & 1/4# celloflakes.

This wellsite will be surveyed as soon as it is deemed safe to do so.



18. I hereby certify that the foregoing is true and correct

SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE August 13, 1992

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<p align="center"><b>SUNDRY NOTICES AND REPORTS ON WELLS</b></p> <p align="center">(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</p>		5. LEASE DESIGNATION & SERIAL NO. FLS #U-017439-B	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a	
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME n/a	
2. NAME OF OPERATOR BALCRON OIL		8. FARM OR LEASE NAME Balcron Coyote Federal	
3. ADDRESS OF OPERATOR P.O. Box 21017; Billings, MT 59104		9. WELL NO. #42-6X	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  At proposed prod. zone		10. FIELD AND POOL, OR WILDCAT Coyote Basin/Green River	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE NE Sec. 6, T8S, R25E	
14. API NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY Uintah	13. STATE UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

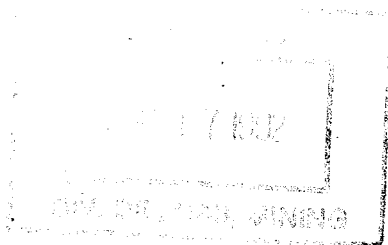
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>spud and running casing</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

\* Must be accompanied by a cement verification report.

This well was spud at 4:15 p.m. 8/12/92. Ran 262' 8-5/8" 24# casing; landed at 262' KB. Cemented w/190 sx Class G w/2% CaCl & 1/4# celloflakes.

This wellsite will be surveyed as soon as it is deemed safe to do so.



18. I hereby certify that the foregoing is true and correct

SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE August 13, 1992

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION & SERIAL NO. FLS #U-017439-B	
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN ALLOTTEE OR TRIBE NAME n/a	
2. NAME OF OPERATOR BALCRON OIL		7. UNIT AGREEMENT NAME n/a	
3. ADDRESS OF OPERATOR P.O. Box 21017; Billings, MT 59104		8. FARM OR LEASE NAME Balcron Coyote Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  At proposed prod. zone		9. WELL NO. #42-6X	
14. API NO.		15. ELEVATIONS (Show whether DF, RT, GR, etc.)	
10. FIELD AND POOL, OR WILDCAT Coyote Basin/Green River		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE NE Sec. 6, T8S, R25E	
12. COUNTY Uintah		13. STATE UTAH	

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

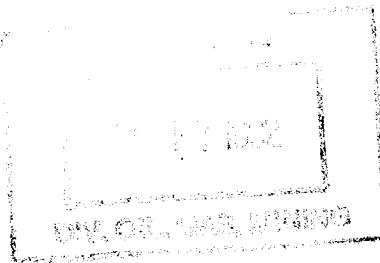
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>spud and running casing</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

\* Must be accompanied by a cement verification report.

This well was spud at 4:15 p.m. 8/12/92. Ran 262' 8-5/8" 24# casing; Landed at 262' KB. Cemented w/190 sx Class G w/2% CaCl & 1/4# celloflakes.

This wellsite will be surveyed as soon as it is deemed safe to do so.



18. I hereby certify that the foregoing is true and correct

SIGNED <u>Bobbie Schuman</u>	TITLE <u>Coordinator of Environmental and Regulatory Affairs</u>	DATE <u>August 13, 1992</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

See Instructions On Reverse Side

OPERATOR BALCRON OIL  
ADDRESS P.O. Box 21017  
Billings, MT 59104

OPERATOR ACCT. NO. N 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11409	43-047-32346	Balcron Coyote Federal #42-6X	SE NE	6	8S	25E	Uintah	8/12/92	8/12/92
WELL 1 COMMENTS: Spud of new well. NOTE: Rig was skidded from the Balcron Coyote Federal #42-6 because that hole was lost. APD and survey plat will be sent as soon as it is deemed safe for surveyor to survey location.											
WELL 2 COMMENTS: Entity added 9-15-92. JH											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)  
A - Establish new entity for new well (single well only)  
B - Add new well to existing entity (group or unit well)  
C - Re-assign well from one existing entity to another existing entity  
D - Re-assign well from one existing entity to a new entity  
E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Bobbie Schuman  
Signature  
Coordinator of Environmental  
and Regulatory Affairs  
Date 8/13/92

Phone No. ( 406 ) 259-7860



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		3. LEASE DESIGNATION & SERIAL NO. Fed: #U-017439-B	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a	
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER plugged and abandoned		7. UNIT AGREEMENT NAME n/a	
2. NAME OF OPERATOR BALCRON OIL		8. FARM OR LEASE NAME Balcron Coyote Basin	
3. ADDRESS OF OPERATOR P.O. Box 21017; Billings, MT 59104		9. WELL NO. #42-6	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FNL, 660' FEL  At proposed prod. zone		10. FIELD AND POOL, OR WILDCAT Coyote Basin/Green River	
		11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA SE NE Sec. 6, T8S, R25E	
14. API NO. 43-047-32258	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,601.7' GL	12. COUNTY Uintah	13. STATE UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) _____		DATE OF COMPLETION _____	

APPROX. DATE WORK WILL START \_\_\_\_\_

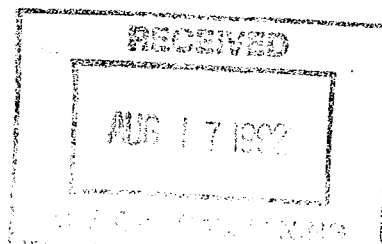
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Operator plans to plug well as follows:

\* Must be accompanied by a cement verification report.

Plug #	# sx	Depth
1	120 sx G	2,000'-1,800'
2	45 sx G	310'- 210'
3	50 sx G	60'- surface

Well was drilled to 2,338' at which point we lost a fish in the hole. Set plug 2,000'-1,720'. Backed off and tried to sidetrack hole. Could not get kicked off. Plug as above. Received verbal orders from Ed Forsman of the Vernal BLM.



18. I hereby certify that the foregoing is true and correct

SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE August 13, 1992

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER plugged and abandoned		3. LEASE DESIGNATION & SERIAL NO. Fed: #U-017439-B	
2. NAME OF OPERATOR BALCRON OIL		6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a	
3. ADDRESS OF OPERATOR P.O. Box 21017; Billings, MT 59104		7. UNIT AGREEMENT NAME n/a	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FNL, 660' FEL  At proposed prod. zone		8. FARM OR LEASE NAME Balcron Coyote <b>FEDERAL</b> Basin	
		9. WELL NO. #42-6	
		10. FIELD AND POOL, OR WILDCAT Coyote Basin/Green River	
		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA SE NE Sec. 6, T8S, R25E	
14. API NO. 43-047-32258	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,601.7' GL	12. COUNTY Uintah	13. STATE UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON

REPAIR WELL

CHANGE PLANS

(Other)

APPROX. DATE WORK WILL START

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

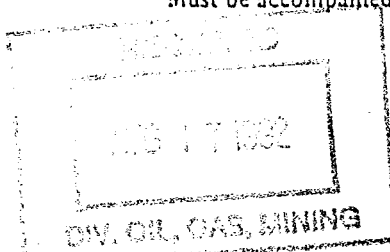
DATE OF COMPLETION

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

\* Must be accompanied by a cement verification report.

This well was plugged as follows:

Plug #	# sx	Depth
1	120 sx G	2,000'-1,800'
2	45 sx G	310'- 210'
3	50 sx G	60'- surface



Well was drilled to 2,338' at which point we lost a fish in the hole. Set plug 2,000'-1,720'. Backed off and tried to sidetrack hole. Could not get kicked off. Plug as above. Received verbal orders from Ed Forsman of the Vernal BLM.

Rig was released at 8 a.m. 8/12/92. Skid rig to drill the Balcron Coyote Federal #42-6X.

*\* Use as WCR*

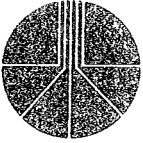
18. I hereby certify that the foregoing is true and correct

SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE August 13, 1992

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:



## BALCRON OIL

A Division of  
Equitable Resources Energy Company

P.O. Box 21017  
1601 Lewis Avenue Building  
Billings, Montana 59104  
(406) 259-7860

September 1, 1992

Mr. Frank Matthews  
State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Dear Mr. Matthews:

RE: Balcron Coyote Federal #42-6X  
SE NE Section 6, T8S, R25E  
Uintah County, Utah

Enclosed is the survey plat for the referenced well. If you need any further information on this well, please let me know.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosure

RECEIVED

SEP 03 1992

ONISUNIC  
700 CHASE ST. BILLINGS, MT

OPERATOR BALCRON OIL  
ADDRESS P.O. Box 21017  
Billings, MT 59104

OPERATOR ACCT. NO. N 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11409	43-047-32346	Balcron Coyote Federal #42-6X	SE NE	6	8S	25E	Uintah	8/12/92	8/12/92

WELL 1 COMMENTS:

Spud of new well. Currently completing.

*Entity added 9-15-92. Joe*

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
  - B - Add new well to existing entity (group or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - D - Re-assign well from one existing entity to a new entity
  - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(/89)

RECEIVED

SEP 04 1992

DIVISION OF  
OIL GAS & MINING

*Bobbie Schuman*  
Signature  
Coordinator of Environmental  
and Regulatory Affairs  
Date 9-2-92

Phone No. (406) 259-7860

14061361

SEP- 4-92 FRI 9:53

FAX NO. 14061361

P.04

DAILY OPERATING REPORT

BALCRON COYOTE #42-6X

Location: SE NE Section 6, T8S, R25E

Uintah County, Utah

---TIGHT HOLE---

9-3-92

Completion

Present Operation: SDFN

Release packer, retrieve BP, TOOH w/tbg & BHA. RU Western to frac. Pressure test surf equipment to 4500 psig. Frac well (see frac report). SDFN.

DC: \$34,091

CC: \$188,520

# Western Company

## of North America

### TREATMENT REPORT

#### NITRIFIED FLUIDS

Date 9-3-92 Western District VERNAL J. F. Receipt 232620  
 Operator BAICRON  
 Lease COYOTE FEDERAL Well No. 42-6X  
 Field COYOTE BASIN Location SEC 6 - T8S - R25E  
 County DITAH State WY  
 Stage Number 1 This Zone 1 This Well 1

WELL DATA: OG ☐ NG ☒ NO ☐ OO ☐ WD ☐ IW ☐ Misc. ☐ Depth TD/PB 4655 Formation GREEN RIVER  
 Size Tubing --- Tubing Perf. --- Type Packer NONE Set At ---  
 Size Casing 5.5 Wt. 17 Set From SURFACE To 4655 Size Liner --- Wt. ---  
 Liner Set From --- To --- Open Hole: Size --- From --- To ---  
 Casing Perforations: Size 50 Holes Per Foot --- Intervals 4527 - 4574  
SIG HOLES

Previous Treatment ACID B/D Prior Production N/A

TREATMENT DATA: Pad Used: Yes ☒ No ☐ Pad Type 35#  
 Treating Fluid Type: Oil ☐ Water ☒ Acid ☐ Misc. ☐ Foam ☐ Emulsion ☐  
 Treating Fluid Volume Gals. 22,998 Fluid Description 35#

Total Prop Quantity: 611600 Lbs. Prop Type: Sand ☒ Beads ☐ Special ☐ None ☐  
 Prop Mesh Sizes, Types and Quantities 20-40 SAND 611600  
 Hole Loaded With FAID Treat Via: Tubing ☐ Casing ☒ Anul ☐ Tubing & Anul. ☐  
 Ball Sealers: --- In --- Stages of ---  
 Types and Number of Pumps Used 3-1300, 1-1414, 2-1000,  
 Auxiliary Materials 12 LBS ENAC-6108120

Procedure AS PER PROC + 0-NE,

#### FLUID PUMPED AND CAPACITIES IN BBLs.

Tubing Cap. ---  
 Casing Cap. 105  
 Annular Cap. ---  
 Open Hole Cap. ---  
 Fluid to Load 36  
 Pad Volume 179  
 Treating Fluid 6119  
 Flush 105  
 Overflush ---  
 Total to Recover 725

Time AM/PM	Treating Pressure-Psi		Liquid Phase		Gas Phase		
	Tubing	Casing	Slurry Pumped Bbls.	Slurry Rate BPM	Gas Pumped SCF	Gas Rate SCF/M	
4:31	---	---	---	---	---	---	TEST LINE & CO
4:39	---	---	---	---	---	---	START PAD
4:45	---	1800	179	35	---	---	START 20# 20-40
4:48	---	1800	244	35	---	---	START 30#
4:48	---	1820	286	35	---	---	20# ON PERFS
4:51	---	1800	351	35	---	---	30# ON PERFS
4:51	---	1790	352	35	---	---	START 80#
4:54	---	1790	459	35	---	---	80# ON PERFS
4:54	---	1780	465	35	---	---	START 80#
4:55	---	1770	533	35	---	---	START 80#
4:56	---	1700	572	35	---	---	50# ON PERFS
4:57	---	1700	618	35	---	---	START FLUSH
4:58	---	1630	660	35	---	---	60# ON PERFS
5:00	---	2200	724	35	---	---	SHUT DOWN
---	---	---	---	---	---	---	151P - 1800 PSI
---	---	---	---	---	---	---	5MIN - 1570 PSI
---	---	---	---	---	---	---	10MIN - 1410 PSI
---	---	---	---	---	---	---	15MIN - 1260 PSI

Treating Pressure: Min. 1630 Max. 2200 Avg. 1770  
 Rate on Treating Fluid 35 Rate on Flush 35  
 g. Inj. Rate 35 I.S.D.P. 1800 Flush Dens. lb/gal ---  
 Shut-in Pressure 1260 In. 1.5 Minutes, ---  
 Operator's Maximum Pressure 3000 PSI

Customer Representative DALE GRIFFIN  
 Western Representative WAYNE MARCONE  
 Distribution BAICRON OIL CO.

Job Number  
113497

DAILY OPERATING REPORTBALCRON COYOTE #42-6X

Location: SE NE Section 6, T8S, R25E  
Uintah County, Utah

---TIGHT HOLE---

9-3-92 Completion  
Present Operation: SDFN  
Release packer, retrieve BP, TOOH w/tbg & BHA. RU Western to frac. Pressure test surf equipment to 4500 psig. Frac well (see frac report). SDFN.  
DC: \$34,091 CC: \$188,520

9-4-92 Completion  
Present Operation: SD for holiday.  
Csg psi slight blow. TIH w/2 jts, 2-7/8" tbg, R-3 packer, SN & 138 jts tbg, tag fluid @ 4417' KB. RU to circ fill out. Clean out to 4655' KB. Set packer @ 4449' KB, btm of tbg @ 4513' KB. RU to swab. Made 14 swab runs. Swabbed back 84 bbls total fluid. last 4 runs, fluid level stable @ 1900'.  
SDF weekend.  
DC: \$3,042 CC: \$191,562

DAILY OPERATING REPORTBALCRON COYOTE #42-6XLocation: SE NE Section 6, T8S, R25E  
Uintah County, Utah

---TIGHT HOLE---

9-3-92

Completion

Present Operation: SDFN

Release packer, retrieve BP, TOOH w/tbg & BHA. RU Western to  
frac. Pressure test surf equipment to 4500 psig. Frac well  
(see frac report). SDFN.

DC: \$34,091

CC: \$188,520

Post-It <sup>™</sup> brand fax transmittal memo 7671		# of pages ▶	
To	State of Utah	From	Mou. Conrad
Co.	Oil, Gas & Mining	Co.	Balcron Oil
Dept.		Phone #	406-239-7860
Fax #	801-359-3940	Fax #	406-245-1361





# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

September 9, 1992

Balcron Oil  
P.O. Box 21017  
Billings, Montana 59104

Gentlemen:

Re: Balcron Coyote Federal 42-6X Well, 1986 feet from the north line, 682 feet from the east line, SE 1/4 NE 1/4, Section 6, Township 8 South, Range 25 East, Uintah County, Utah

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.

Page 2  
Balcron Oil  
Balcron Coyote Federal 42-6X Well  
September 9, 1992

6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-047-32346.

Sincerely,

A handwritten signature in black ink, appearing to read 'R.J. Firth', is written over a printed name.

R.J. Firth  
Associate Director, Oil and Gas

ldc  
Enclosures  
cc: Bureau of Land Management  
J.L. Thompson  
WO11



## BALCRON OIL

A Division of  
Equitable Resources Energy Company

P.O. Box 21017  
1601 Lewis Avenue Building  
Billings, Montana 59104  
(406) 259-7860

September 8, 1992

Tammy Searing  
State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Dear Tammy:

RE: Balcron Coyote Federal #42-6X  
SE NE Section 6, T8S, R25E  
Uintah County, Utah

To confirm our telephone call today, Balcron hereby requests that the status of the referenced well be held tight for the maximum period allowed by State regulations.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

RECEIVED

SEP 10 1992

DIVISION OF  
OIL GAS & MINING

DAILY OPERATING REPORTBALCRON COYOTE #42-6X

Location: SE NE Section 6, T8S, R25E

Uintah County, Utah

---TIGHT HOLE---

9-14-92 Completion  
Set pumping unit & stock tank. Start hookup.  
DC: \$9,402 CC: \$216,068

9-15-92 Produced 23.44 bbls total fluid.

9-16-92 Completion  
Work on hook up. Start pumping, pump good volume 1/2 hr.  
Shut down, tank has not been strapped. Build guards for  
engine & unit. Finish pit for drain tank.  
DC: \$378 CC: \$216,446



# BALCRON OIL

A Division of  
Equitable Resources Energy Company

P.O. Box 21017  
1601 Lewis Avenue Building  
Billings, Montana 59104  
(406) 259-7860

RECEIVED

SEP 16 1992

DIVISION OF  
OIL GAS & MINING

September 11, 1992

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Gentlemen:

Enclosed are copies of the Federal sundry notices reporting change of rig to a completion rig on the following wells:

Balcron Coyote Federal #31-7  
NW NE Section 7, T9S, R25E  
Uintah County, Utah

Balcron Coyote Federal #42-6X  
SE NE Section 6, T8S, R25E  
Uintah County, Utah

If you have any questions or need further information, please let me know.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

SEP 16 1992

DIVISION OF  
OIL GAS & MINING

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NE Section 6, T8S, R25E  
1986.8'FNL 682.2'FEL

5. Lease Designation and Serial No.

U-017439-B

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Coyote Fed. 42-6X

9. API Well No.

43-047-32346

10. Field and Pool, or Exploratory Area

Coyote Basin/Green River

11. County or Parish, State

Uintah County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other change of rig  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Completion is in progress on this well. Cannon Well Service is doing the completion.

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Title Coordinator of Environmental and Regulatory Affairs

Date 9-11-92

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_



## BALCRON OIL

A Division of  
Equitable Resources Energy Company

P.O. Box 21017  
1601 Lewis Avenue Building  
Billings, Montana 59104  
(406) 259-7860

October 9, 1992

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Gentlemen:

RE: Balcron Coyote Federal #42-6X  
SE NE Section T8S, T25E  
Uintah County, Utah

Enclosed are the Well Completion Report and the Report of Water Encountered During Drilling (Form 7) for the referenced well. Also enclosed is a copy of the Federal sundry notice reporting first production on this well.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

RECEIVED

OCT 13 1992

DIVISION OF  
OIL GAS & MINING

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG										5. LEASE DESIGNATION AND SERIAL NO. Fed. #U-017439-B	
1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>										6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>										7. UNIT AGREEMENT NAME n/a	
2. NAME OF OPERATOR BALCRON OIL										8. FARM OR LEASE NAME Balcron Coyote Federal	
3. ADDRESS OF OPERATOR P.O. Box 21017; Billings, MT 59104										9. WELL NO. 42-6X	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1986.8' FNL, 682.2' FEL  At top prod. interval reported below  At total depth										10. FIELD AND POOL, OR WILDCAT Coyote Basin/Green River	
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  SE NE Sec. 6, T8S, R25E											
14. API NO. 43-047-32346				DATE ISSUED 9/9/92				12. COUNTY Uintah		13. STATE UTAH	
15. DATE STUDDER 8/12/92		16. DATE T.D. REACHED 8/22/92		17. DATE COMPL. (Ready to prod.) 9/18/92 (Plug & Abd.)		18. ELEVATIONS (DF, RES. AT, CR, ETC.) 5601' GL		19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 4,700'		21. PLUG BACK T.D., MD & TVD 4,655'		22. IF MULTIPLE COMPL., HOW MANY		23. INTERVALS DRILLED BY sfc - TD		ROTARY TOOLS n/a		CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 4,527'-4,574' Green River										25. WAS DIRECTIONAL SURVEY MADE no	
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, SFL, DFC, CNL, NGT, CBL, CCL, GR 8-25-92										27. WAS WELL CORED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (Submit analysis) DRILL STEM TEST YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (See reverse side)	
28. CASING RECORD (Report all strings set in well)											
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
8-5/8"		24#		262' KB		12-1/4"		190 sx G w/additives		none	
5-1/2"		15.50#		4,700' KB		7-7/8"		194 sx G, 142 sx 50/50 w/additives		none	
29. LINER RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT		SCREEN (MD)			
n/a											
30. TUBING RECORD											
SIZE		DEPTH SET (MD)		PACKER SET (MD)							
2-7/8"		4,510'		na/							
31. PERFORATION RECORD (Interval, size and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
4,527'-4,535'						DEPTH INTERVAL (MD)					
4,546'-4,548'						AMOUNT AND KIND OF MATERIAL USED					
4,556'-4,574' all w/2 SPF						4,527'-4,574' 60,000# 20/40 sand with					
						23,000 gal. gelled water					
33. PRODUCTION											
DATE FIRST PRODUCTION 9/16/92		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping						WELL STATUS (Producing or shut-in) Producing			
DATE OF TEST 10/1/92		HOURS TESTED 24		CHOKE SIZE		PROD'N. FOR TEST PERIOD →		OIL—BSL. 7		GAS—MCF. 3 MCF	
								WATER—BSL. 13.5		GAS-OIL RATIO 428	
FLOW. TUBING PRESS. n/a		CASING PRESSURE n/a		CALCULATED 24-HOUR RATE →		OIL—BSL. 7		GAS—MCF. 3		WATER—BSL. 13.5	
										OIL GRAVITY-API (CORR.) 34	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel										TEST WITNESSED BY Scott Baese	
35. LIST OF ATTACHMENTS											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED <u>Bobbie Schuman</u>		TITLE <u>Coordinator of Environmental and Regulatory Affairs</u>				DATE <u>10-8-92</u>					

See Spaces for Additional Data on Reverse Side



## INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

<b>37. SUMMARY OF POROUS ZONES:</b> Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.				<b>38. GEOLOGIC MARKERS</b>		
Formation	Top	Bottom	Description, contents, etc.	Name	Meas. Depth	Top True Vert. Depth
			No DSTs run	See Geologic Report submitted separately		

## REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

RECEIVED

OCT 13 1992

1. Well name and number: Balcron Coyote Federal # 42-6X  
API number: 43-047- 32346
2. Well location: QQ SE NE section 6 township 8S range 25E county Uintah
3. Well operator: BALCRON OIL  
Address: P.O. Box 21017 phone: (406) 259-7860  
Billings, MT 59104
4. Drilling contractor: Elenburg Exploration, Inc.  
Address: Main office: P.O. Box 2440 phone: (307) 235-8609  
Casper, WY 82602

## 5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
No measurable water reported during drilling operations.			

6. Formation tops: See Geologic Report to be submitted separately.

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

n/a

I certify that this report is true and complete to the best of my knowledge.

Name Bobbie Schuman Signature Bobbie Schuman  
Title Coordinator of Environmental Date 10-8-92  
and Regulatory Affairs

Comments:

RECEIVED  
OCT 13 1992

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

DIVISION OF  
OIL GAS & MINING

1. Well name and number: Balcron Coyote Federal # 42-6X  
API number: 43-047-32346
2. Well location: QQ SE NE section 6 township 8S range 25E county Uintah
3. Well operator: BALCRON OIL  
Address: P.O. Box 21017 phone: (406) 259-7860  
Billings, MT 59104
4. Drilling contractor: Elenburg Exploration, Inc.  
Address: Main office: P.O. Box 2440 phone: (307) 235-8609  
Casper, WY 82602

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
No measurable water reported during drilling operations.			

6. Formation tops: See Geologic Report to be submitted separately.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form.  
n/a

I certify that this report is true and complete to the best of my knowledge.

Name Bobbie Schuman Signature Bobbie Schuman  
Title Coordinator of Environmental Date 10-8-92  
and Regulatory Affairs

Comments:

RECEIVED

OCT 13 1992

DIVISION OF  
OIL GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

1. Well name and number: Balcron Coyote Federal # 42-6X  
API number: 43-047-32346
2. Well location: QQ SE NE section 6 township 8S range 25E county Uintah
3. Well operator: BALCRON OIL  
Address: P.O. Box 21017 phone: (406) 259-7860  
Billings, MT 59104
4. Drilling contractor: Elenburg Exploration, Inc.  
Address: Main office: P.O. Box 2440 phone: (307) 235-8609  
Casper, WY 82602

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
No measurable water reported during drilling operations.			

6. Formation tops: See Geologic Report to be submitted separately.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form. n/a

I certify that this report is true and complete to the best of my knowledge.

Name Bobbie Schuman Signature Bobbie Schuman  
Title Coordinator of Environmental Date 10-8-92  
and Regulatory Affairs

Comments:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.  
U-017439-B

6. If Indian, Allottee or Tribe Name  
n/a

7. If Unit or CA, Agreement Designation  
n/a

8. Well Name and No.  
Balcron Coyote Fed. 42-6X

9. API Well No.  
43-047-32246 3.2346

10. Field and Pool, or Exploratory Area  
Coyote Basin/Green River

11. County or Parish, State  
Uintah County, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
EQUITABLE RESOURCES ENERGY COMPANY

3. Address and Telephone No.  
P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SE NE Sec. 6, T8S, R25E  
1986.8' FNL 682.2' FEL

CONFIDENTIAL

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other 1st production notice
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

First production on this well was 9/16/92. Date of production test was 10/1/92.

RECEIVED

OCT 13 1992

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct  
Signed Bobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date 10-8-92  
(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



# MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• DAWN SCHINDLER  
BALCRON OIL  
PO BOX 21017  
BILLINGS MT 59104

Utah Account No. N9890

Report Period (Month/Year) 1 / 93

Amended Report ☐

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
BALCRON COYOTE FEDERAL 22-7							
✓ 4304732256	11408 08S 25E 7	GRRV					
BALCRON COYOTE FEDERAL 42-6X							
✓ 4304732346	11409 08S 25E 6	GRRV					
BALCRON COYOTE FEDERAL 13-7							
✓ 4304732255	11412 08S 25E 7	GRRV					
FEDERAL 13-13							
✓ 4304732196	11417 08S 24E 13	GRRV					
BALCRON MONUMENT FEDERAL 11-6							
✓ 4301331362	11422 09S 17E 6	GRRV		— w/w			
BALCRON COYOTE FEDERAL 33-5							
✓ 4304732257	11424 08S 25E 5	GRRV					
BALCRON MONUMENT FEDERAL 24-6							
✓ 4301331363	11426 09S 17E 6	GRRV		— w/w			
BALCRON COYOTE FEDERAL 13-5							
✓ 4304732261	11427 08S 25E 5	GRRV					
PARIETTE BENCH U #4							
✓ 4304715681	99990 9S 19E 7	GRRV		— w/w			
EAST RED WASH 2-5							
✓ 43-047-20252	1112 8S 25E 5	GRRV					
BALCRON COYOTE FED 42-6							
✓ 43-047-32258	11386 8S 25E 6						
BALCRON COYOTE FED 33-7							
✓ 43-047-32259	99999 8S 25E 7						
ALLEN FEDERAL A-1							
✓ 43-013-15780	1115 9S 17E 5	GRRV					
BALCRON MONUMENT FED 33-6							
✓ 43-013-31361	11438 9S 17E 6	GRRV		— w/w			
		TOTAL					

Comments (attach separate sheet if necessary) \_\_\_\_\_

I have reviewed this report and certify the information to be accurate and complete. Date \_\_\_\_\_

Authorized signature \_\_\_\_\_

Telephone \_\_\_\_\_



EQUITABLE RESOURCES ENERGY COMPANY,  
BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104  
(406) 259-7860  
FAX: (406) 245-1364

March 4, 1993

State of Utah  
Uintah County  
152 East 100 North  
Vernal, UT 84078

Gentlemen:

Effective March 1, 1993, the name of our company has changed from Balcron Oil Company to Equitable Resources Energy Company, Balcron Oil Division.

Please make the necessary changes in your records and let me know if there is anything else we need to do in order to effect the change for the 1993 Uintah County Business License.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

RECEIVED

MAR 08 1993

DIVISION OF  
OIL GAS & MINING

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1-LEC	7-DEC
2-DTS	8-DEC
3-VLC	✓
4-RJF	✓
5-RWM	✓
6-ADA	✓

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 3-1-93)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>	FROM (former operator)	<u>BALCRON OIL</u>
(address)	<u>BALCRON OIL DIVISION</u>	(address)	<u>PO BOX 21017</u>
	<u>PO BOX 21017</u>		<u>BILLINGS MT 59104</u>
	<u>BILLINGS MT 59104</u>		
	phone ( <u>406</u> ) <u>259-7860</u>		phone ( <u>406</u> ) <u>259-7860</u>
	account no. <u>N 9890</u>		account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: <b>**ALL WELLS**</b>	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 3-8-93)
- See 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: 134640.
- \* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (3-19-93)
- See 6. Cardex file has been updated for each well listed above. (3-19-93)
- See 7. Well file labels have been updated for each well listed above. (3-19-93)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (3-19-93)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.



# ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) \_\_\_\_ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

## BOND VERIFICATION (Fee wells only)

*\* 930319 Re'd bond rider eff. 3-4-93.*

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. *# 5578314 / 80,000 Balcon Oil, A Division of Equitable Resources Energy Company.*
2. A copy of this form has been placed in the new and former operators' bond files. *\* upon completion of routing.*
3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_\_. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

## LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases. *see comments below*

## FILMING

1. All attachments to this form have been microfilmed. Date: *March 30* 19*93*.

## FILED

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

## COMMENTS

*930308 Btm / S.L. No change necessary, they always recognized company name as "Equitable Resources Energy Company, Balcon Oil Division".*

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR Balcon Oil  
ADDRESS P.O. Box 21017  
Billings MT 59104

OPERATOR ACCT. NO. H 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
D	01300	11500	4304720261	ERW 4-6	SW SE	6	85	25E	Uintah		7/1/93
WELL 1 COMMENTS: Coyote Basin Unit											
D	11409	11500	4304732346	<sup>conf</sup> Coyote 42-6X	SE NE	6	85	25E	Uintah		7/1/93
WELL 2 COMMENTS:											
D	11412	11500	4304732255	<sup>conf</sup> Coyote 13-7	NW SW	7	85	25E	Uintah		7/1/93
WELL 3 COMMENTS:											
D	11427	11500	4304732261	<sup>conf</sup> Coyote 13-5	NW SW	5	85	25E	Uintah		7/1/93
WELL 4 COMMENTS:											
D	11417	11500	4304732196	<sup>conf</sup> Coyote 13-13	NW SW	13	85	24E	Uintah		7/1/93
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)  
A - Establish new entity for new well (single well only)  
B - Add new well to existing entity (group or unit well)  
C - Re-assign well from one existing entity to another existing entity  
D - Re-assign well from one existing entity to a new entity  
E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

**RECEIVED**

SEP 20 1993

DIVISION OF  
OIL, GAS & MINING

Dawn Schindler  
Signature  
Prod. Acct  
Title  
9-15-93  
Date  
Phone No. (406) 259-7860

SEP 15 1993 9:30 NO.003 F.02

TEL: 801-359-3940

OIL GAS & MINING

# INJECTION WELL APPLICATION

## REVIEW SUMMARY

Applicant: BALCRON OIL Well: COYOTE FEDERAL #42-6X

Location: section 6 township 8 SOUTH range 25 EAST

API #: 43-047-32346 Well Type: disp. enhanced recov. X

If enhanced recovery has project been approved by the Board ? NO

Lease Type: FEDERAL Surface Ownership: BLM  
(Additional lease and ownership information is required)

Field: COYOTE BASIN Unit:  Indian Country: YES

UIC Form 1: NO Plat: YES Wells in AOR: 1WSW, 3POW

Logs Available: IND, CNLFD, NGRSL Bond Log: YES

Casing Program: ADEQUATE

Integrity Test: AT TIME OF CONVERSION

Injection Fluid: FRESH WATER & PRODUCED WATER

Geologic Information: DOUGLAS CREEK MEMBER OF GREEN RIVER FORMATION,

Analyses of Injection Fluid: YES Formation Fluid: YES Compat. NO

Fracture Gradient Information: .830 PSIG/FT Parting Pressure 1820 PSI

Affidavit of Notice to Owners: NO

Fresh Water Aquifers in Area: THERE ARE NO USDW'S IN AREA

Depth Base of Moderately Saline Water: 4500' DEPTH

Confining Interval: GREEN RIVER AND WASATCH SHALES

Reviewer: B. HILL Date: 1-4-93

Comments & Recommendation THIS WELL WILL NEED MIT AT TIME OF CONVERSION, NEED ADDITIONAL LEASE INFORMATION, NEED UIC FORM 1, NEED AFFIDAVIT OF NOTICE

# T 7 S

RED  
WASH  
UNIT  
AREA



R 24 E

T  
8  
S

**R 25 E**

**Exhibit "A"**  
**COYOTE BASIN (GREEN  
RIVER) UNIT AREA**  
UINTAH COUNTY, UTAH

**EQUITABLE RESOURCES ENERGY COMPANY**  
BILLINGS, MONTANA

		<u>ACREAGE</u>	<u>PERCENTAGE</u>
	FEDERAL LANDS	2,561.54	91.43%
	STATE LANDS	240.00	8.57%
<hr/>			
	TOTAL	2,801.54	100.00%

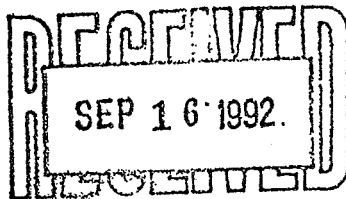
③ TRACT NUMBER ■■■■■ UNIT OUTLINE

SCALE IN MILES





2060 SOUTH 1500 EAST  
VERNAL, UTAH 84078



Telephone (801) 789-4327

WATER ANALYSIS REPORT  
EXHIBIT - 6

Report for: John Zellitti  
cc for: Steve Hanberg  
cc for:  
cc for:  
Company: Balcron Oil  
Address: P. O. Box 21017 Billings Montana 59104  
Service Engineer: Mike Angus  
Date Sampled: 9-11-92  
Date Reported: 9-11-92  
Location: Coyote Basin 32-6  
County: ~~Utah~~  
State: Utah  
Submitted by: Mike Angus  
Other Info: --- Water Supply Well (Green River Formation)

Chemical Component	mg per liter	meq per liter
Chloride (Cl) =	540.	15.2
Iron (Fe) =	1.6	
Total Hardness (CaCO <sub>3</sub> ) =	300.	
Calcium (Ca) =	76.	3.8
Magnesium (Mg) =	27.	2.2
Bicarbonate (HCO <sub>3</sub> ) =	634.	10.4
Carbonate (CO <sub>3</sub> ) =	0.	0.0
Sulfate (SO <sub>4</sub> ) =	8.	0.2
Hydrogen Sulfide (H <sub>2</sub> S) =	57.8	
Barium (Ba) =	Negligible	
Sodium (Na) (calc.) =	455.	19.8
Specific Gravity =	1.003	
Density (lb/gal) =	8.35	
pH (by meter) =	6.9	
Dissolved CO <sub>2</sub> (mg/l) =	53.	

OTHER DESCRIPTION, REMARKS AND RECOMMENDATIONS

Scaling Index at 68 degrees F = -0.17  
Scaling Index at 86 degrees F = +0.12  
Scaling Index at 122 degrees F = +0.51  
Scaling Index at 158 degrees F = +0.78

Total dissolved solids (calculated) = 1739. mg per liter

Reported by William Curry Lab Technician  
William Curry

EXHIBIT 6

R. Dennis Ickes (1615)  
Robert P. Faust (3928)  
NIELSEN & SENIOR, P.C.  
Attorneys for Balcron Oil  
60 East South Temple, Suite 1100  
Salt Lake City, Utah 84111  
Telephone: (801) 532-1900

BEFORE THE BOARD OF OIL, GAS AND MINING

DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH

IN THE MATTER OF THE REQUEST	)	
FOR AGENCY ACTION OF BALCRON	)	
OIL, A DIVISION OF EQUITABLE	)	
RESOURCES ENERGY COMPANY, FOR	)	
AN ORDER APPROVING PETITIONER'S	)	
APPLICATION FOR ESTABLISHMENT	)	
OF UNIT BOUNDARIES, APPROVAL OF	)	Docket No.
UNIT OPERATIONS, AND FOR	)	
UNDERGROUND INJECTION OF WATER	)	
FOR SECONDARY RECOVERY IN THE	)	Cause No.
GREEN RIVER FORMATION IN	)	
TOWNSHIPS 7 AND 8 SOUTH, RANGES	)	
24 AND 25 EAST, S.L.B.&M.,	)	
UINTAH COUNTY, UTAH,	)	

---

AFFIDAVIT OF R. DENNIS ICKES

---

STATE OF UTAH                    )  
                                      ) ss.  
COUNTY OF SALT LAKE        )

I, R. DENNIS ICKES, swear and affirm that:

1. I am a resident of Salt Lake County, Utah, and am over the age of 21 years.

2. I am the attorney of record on behalf of Petitioner in this Request for Agency Action.

3. I caused to be delivered by United States Postal Service by registered mail, return receipt requested, a notification of the above-reference Petitioner and Request for Agency Action to all of the working interest owners of the oil and gas interests of record, the operators, owners and surface owners of record, and to owners, operators and royalty owners within one-half mile of the boundary of the unit as those persons are disclosed in the records of the land office in Uintah County and in the records of the Bureau of Land Management.

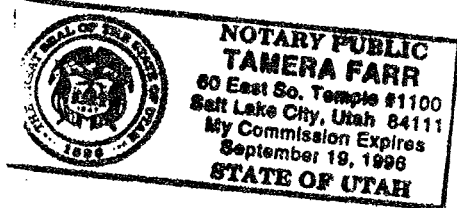
4. The names and addresses of those notified are attached for identification along with the registered mail number for each addressee as Exhibit "A."


DATED this 12th day of April, 1993.

  
R. DENNIS ICKES

SUBSCRIBED AND SWORN TO before me this 12th day of April, 1993.

My Address and Commission  
Expiration Date Are:



  
NOTARY PUBLIC





## BALCRON OIL

A Division of  
Equitable Resources Energy Company

P.O. Box 21017  
1601 Lewis Avenue Building  
Billings, Montana 59104  
(406) 259-7880

March 23, 1993

TO: WORKING INTEREST OWNERS

RE: Coyote Basin (Green River) Unit Area  
Uintah County, Utah

Ladies and Gentlemen:

Equitable Resources Energy Company/Balcron Oil Division invites you to attend a meeting of the Working Interest Owners within the proposed Coyote Basin (Green River) Unit Area. The meeting is scheduled for Thursday, April 1, 1993, at 10:00AM, in the offices of Equitable Resources, 1601 Lewis Avenue, Billings, Montana.

A preliminary agenda for the meeting is attached hereto. If reaction to the unit is favorable, Equitable would like to finalize a participation formula so that the unit process can swiftly be set into motion.

Enclosed herewith you will find a copy of the preliminary Coyote Basin (Green River) Unit and Unit Operating Agreement, Exhibits "A" and "B" thereto, and six (6) copies of Ratification and Joinder of Unit and Unit Operating Agreements for your approval and execution. If you wish to commit your interest to the Coyote Basin (Green River) Unit Agreement please execute the enclosed ratification instruments, have your signature acknowledged by a Notary Public and return five (5) executed copies to Paul S. Conner, UnitSource Incorporated, 1050-17th Street, Suite 705, Denver, Colorado 80265.

EXHIBIT

"I"

March 23, 1993  
Coyote Basin (Green River) Unit Area  
Page 2

Please contact Mr. Gary Kabeary at (406) 259-7860, and indicate if you will be attending the April 1st, meeting.

Sincerely,

EQUITABLE RESOURCES ENERGY COMPANY  
Balcon Oil Division

A handwritten signature in cursive script that reads "Paul S. Conner". The signature is written in dark ink and is positioned above a horizontal line.

Paul S. Conner, Agent  
UnitSource Incorporated

PSC/bt  
enclosures

**PROPOSED COYOTE BASIN (GREEN RIVER) UNIT AREA**  
**APRIL 1, 1993**

**AGENDA**

1. Introduction
2. Summary of Engineering Report
3. Agreements-Exhibits
4. Input from Working Interest Owners
5. Pre-Unit Voting Procedure
6. Acceptance of Engineering Report
7. Election of Unit Operator
8. Vote on Unit Participation Formula
9. Miscellaneous Discussion

COYOTE BASIN (GREEN RIVER)  
UNIT AREA  
UINTAH COUNTY, UTAH  
WORKING INTEREST OWNERS

R. L. SUMMERS 4/1  
3304 S. BROADWAY AVE. #103  
TYLER, TX 75701-7850

LAND DEPARTMENT  
MARATHON OIL COMPANY 4/1  
P. O. BOX 3128  
HOUSTON, TX 77253

GARY KABEARY  
BALCRON OIL COMPANY Fed Exp. 3/22  
P. O. BOX 21017  
BILLINGS, MT 59104

Z. GREENBURG TRUST 3/31  
P. O. BOX 4818  
TYLER, TX 75710

LAND DEPARTMENT  
EL NORTE RESOURCES, INC. 3/31  
528 FAIR FOUNDATION BLDG.  
TYLER, TX 75702

LAND DEPARTMENT Fed Exp. 3/24  
COCHRANE RESOURCES, INC.  
P. O. BOX 1656  
ROOSEVELT, UT 84066

C. F. HAWN 3/31  
P. O. BOX 549  
ATHENS, TX 75751

HOLMES P. MCLISH 3/29  
SUITE 2400  
1675 BROADWAY  
DENVER, CO 80202-4624

G. W. MCDONALD Fed Exp. 3/24  
571 FAIR FOUNDATION BLDG.  
TYLER, TX 75702

MASSAD REALTY 4/2  
13545 WEBBS CHAPEL  
DALLAS, TX 75234

GARY MOON  
CRAIG OBERMUELLER 3/30  
P. O. BOX 41  
JENSEN UT 84035

LAND DEPARTMENT  
DAVIS OIL COMPANY 3/29  
SUITE 1400  
410-17TH ST.  
DENVER, CO 80202

TERRY RADER 4/1  
9212 MILL HOLLOW DR.  
DALLAS, TX 75243

LAND DEPARTMENT 2  
ENRON OIL & GAS COMPANY  
SUITE 3400 3/29  
1801 CALIFORNIA  
DENVER, CO 80202

LAND DEPARTMENT  
CODY OIL COMPANY 3/29  
BOX A  
3300 AIRPORT RD.  
BOULDER, CO 80301

GRACE BANKHEAD 4/2  
CHARLES BANKHEAD  
4345 NORMANDY  
DALLAS, TX 75203

COYOTE BASIN (GREEN RIVER)  
UNIT AREA  
UINTAH COUNTY, UTAH  
OVERRIDING ROYALTY OWNERS

LAND DEPARTMENT 3/31  
TYMCO OIL COMPANY  
571 FAIR FOUNDATION BLDG.  
TYLER, TX 75702

CHARLES A. HAWN 4/5  
P. O. BOX 1224  
ATHENS, TX 75751

JEROME B. GUINAND  
9018 S. KINGS HILL PL.  
SANDY, UT 84093

LAND DEPARTMENT  
ROSELAND EXPLORATION LTD. 3/31  
528 FAIR FOUNDATION BLDG.  
TYLER, TX 75702

BOB BERESKIN 4/1  
2184 S. ONEIDA  
SALT LAKE CITY, UT 84109

PAUL T. WALTON  
1102 WALKER CENTER  
SALT LAKE CITY, UT 84111

LAND DEPARTMENT  
APACHE CORPORATION  
ONE POST OAK CENTRAL, SUITE 100  
2000 POST OAK BLVD.  
HOUSTON, TX 77056-4400

JUDY E. WHITT 3/30  
17890 CRIS  
TYLER, TX 75703

ESTELLE WOLF  
SUITE 200  
1801 BROADWAY  
DENVER, CO 80202

EXHIBIT 5

ESTATE OF RAYMOND CHORNEY  
SUITE 1000  
555 17TH ST.  
DENVER, CO 80202

PAUL MESSINGER & CO.  
SUITE 1610  
410 17TH ST.  
DENVER, CO 80202

LAND DEPARTMENT  
CALAIS RESOURCES, INC.  
104 4TH AVE., SUITE 201  
CALGARY, ALBERTA, CANADA  
T26 0C4

GLENNA M. SORENSEN, FBO  
SHIRLEY SORENSEN  
1ST INTERNATIONAL BANK OF  
UTAH, N.A., TRUSTEE  
P. O. BOX 30169  
SALT LAKE CITY, UT 84142-1600

EDWARD E. LAFAYE  
SUITE 25  
1512 LARIMER ST.  
DENVER, CO 80202

CHARLES GETZLER  
1ST INTERNATIONAL BANK CASPER  
ROYALTY ESCROW DT-#3786084  
P. O. BOX 40  
CASPER, WY 80602

RUSSELL A. SPENCER & CO.  
5091 S. LAKE GULCH RD.  
CASTLE ROCK, CO 80104

GLEN M. HEDGE  
P. O. BOX 926  
GALVESTON, TX 77553

BRADSHAW ESTATE  
1ST INTERNATIONAL BANK OF  
UTAH, N.A., TRUSTEE  
P. O. BOX 30169  
SALT LAKE CITY, UT 84142-1600

JOHN H. MELBY  
8169 PIERSON CT.  
ARVADA, CO 80005

MELVIN E. LESLIE  
1947 ORCHARD DR.  
SALT LAKE CITY, UT 84106

LAND DEPARTMENT  
MARATHON OIL COMPANY  
P. O. BOX 3128  
HOUSTON, TX 77253

REED G. SPJUT  
1633 EAST 9TH SOUTH  
SALT LAKE CITY, UT 84105

DAVID D. PERKINS  
1248 W. HINSDALE DR.  
LITTLETON, CO 80120

TEMIN 1987 PARTNERSHIP  
P. O. BOX 1628  
ARDMORE, OK 73402

LAND DEPARTMENT  
GLOBAL NATURAL RESOURCES  
CORPORATION OF NEVADA  
5300 MEMORIAL DR., STE 800  
HOUSTON, TX 77007

LAND DEPARTMENT  
AMERADA-HESS CORPORATION  
SUITE 700  
1201 LOUISIANA  
HOUSTON, TX 77002

WILLIAM M. BERRYMAN  
SUITE 1025  
910 16TH ST.  
DENVER, CO 80202

REENA L. REDFERN ESTATE  
P. O. BOX 50174  
PASADENA, CA 91115

LAND DEPARTMENT  
LONE MOUNTAIN PRODUCTION  
P. O. BOX 3394  
BILLINGS, MT 59103-3394

EXHIBIT "J1"

NAMES AND ADDRESS OF THE "OWNERS", OPERATORS AND SURFACE  
OWNERS WITHIN A ONE-HALF MILE RADIUS OF THE COYOTE  
BASIN (GREEN RIVER) UNIT AREA, UINTAH COUNTY, UTAH

Owners/Working Interests

Abo Petroleum Corporation  
105 South 4th Street  
Artesia, NM 88210

Cochrane Resources, Inc.  
P.O. Box 1652  
Roosevelt, UT 84606

Alta Energy Corporation  
410 17th Street #430  
Denver, CO 80202

Cody Oil Company  
3100 Airport Rd.  
Boulder, CO 80301

Andover Partners  
P.O. Box 1715  
Denver, CO 80201

Ted Collins  
600 W Illinois, #701  
Midland, TX 79701

Apcot-Finadel Joint Venture  
Box 2159  
Dallas, TX 75221

Davis Oil Company  
410 17th Street #1400  
Denver, CO 80202

B. Jack Bandy  
Box 1372  
Dalton, GA 30720

Mark S. Dolar  
9035 South 700 East  
Sandy, UT 84070-2418

Betty R. Bernick  
2744 Maurice Dr.  
Salt Lake City, UT 84117

Eddy Refining Company  
P.O. Box 185  
Houston, TX 77001

Robert W. Bernick  
2744 Maurice Dr.  
Salt Lake City, UT 84117

El Norte Resources, Inc.  
528 Fair Foundation Bldg.  
Tyler, TX 75702

Chandler & Associates, Inc.  
555 17th Street #1850  
Denver, CO 80202

Equitable Resources Energy  
Company  
P.O. Box 21017  
Billings, MT 59104

Chevron U.S.A., Inc.  
P.O. Box 599  
Denver, CO 80201

Exxon Corporation  
P.O. Box 2305  
Houston, TX 77252

Joan Chorney  
555 17th Street #1000  
Denver, CO 80202

William C. Gilmore  
115 N Marienfeld #155  
Midland, TX 79701

Bernard I. Grosser  
511 Perry Hollow Rd.  
Salt Lake City, UT 84103

Jack J. Grynberg  
5000 S Quebec St. #500  
Denver, CO 80237

Reed E. Holt  
C/O Nielsen & Senior  
60 E South Temple #1100  
Salt Lake City, UT 84110

Lancaster Corp.  
P.O. Box 8439  
Denver, CO 80201

Roland R. Lewis Trustee of the  
Ruth S. S. Lewis, Revocable  
Trust Dated 2-4-1983  
1906 Mission Street  
South Pasadena, CA 91030

Lowe Petroleum Company  
5 Post Oak Park #1010  
Houston, TX 77027-3414

Marathon Oil Company  
Box 2690  
Cody, WY 82414

G.W. McDonald  
571 Fair Foundation Bldg  
Tyler, TX 75702  
Myco Industries, Inc.

Holmes P. McLish  
1675 Broadway #2400  
Denver, CO 80202-4624

Myco Industries, Inc.  
105 South 4th Street  
Artesia, NM 88210

Nephi City  
21 East 100 North  
Nephi, UT 84648

Charles Parker  
5300 Memorial Drive #700  
Houston, TX 77007

Harry Phillips, Jr.  
P.O. Box 3151  
Houston, TX 77253

Seabrook Corporation  
555 17th Street #1000  
Denver, CO 80202

W. Brett Smith  
600 W Illinois, #701  
Midland, TX 79701

Stricklin & Company  
1520 Equitable Bldg.  
Atlanta, GA 30303

Tidemark Energy Corporation  
P.O. Box 310  
Morrison, CO 80465

Tymco Oil Company  
571 Fair Foundation Bldg.  
Tyler, TX 75702

Herbert E. Ware, Jr.  
600 W Illinois, #701  
Midland, TX 79701

Peter S. Wareing  
700 Louisiana #3920  
Houston, TX 77002

Yates Drilling Company  
105 South 4th Street  
Artesia, NM 88210

Yates Petroleum Corporation  
105 South 4th Street  
Artesia, NM 88210

### Mineral Owners

State of Utah  
C/O Division of State Lands and  
Forestry  
III Triad Center, Suite #400  
Salt Lake City, UT 84180-1203

United States of America  
Bureau of Land Management  
Utah State Office  
324 South State Street #301  
Salt Lake City, UT 84111

### Royalty and Overriding Royalty Interests

United States of America  
Bureau of Land Management  
Utah State Office  
324 South State Street #301  
Salt Lake City, UT 84111

State of Utah  
C/O Division of State Lands and  
Forestry  
III Triad Center, Suite #400  
Salt Lake City, UT 84180-1203

Alta Energy Corporation,  
Trustee  
500 N. Loraine #900  
Midland, TX 79701

Karen L. Detvan  
2775 North 98th Street  
Milwaukee, WI 53222

Betty R. Bernick  
2744 Maurice Dr.  
Salt Lake City, UT 84117

Robert W. Bernick  
2744 Maurice Dr.  
Salt Lake City, UT 84117

BOG, Inc.  
Box 636  
Grand Junction, CO 81502

Courtney Hold Cowden, Jr.  
516 First National Bank Bldg.  
Midland, TX 79014

Michel E. Curry  
P.O. Box 5596  
Midland, TX 79704

Jane E. Chorney  
555 17th Street #1000  
Denver, CO 80202

Global Natural Resources  
Corporation of Nevada  
P.O. Box 4682  
Houston, TX 77210

Reed E. Holt  
C/O Nielsen & Senior  
60 E South Temple #1100  
Salt Lake City, UT 84110

U.V. Jones, III  
P.O. Box 7107  
Midland, TX 79707

Lynn Franklin Cowden  
2206 Seaboard  
Midland, TX 79701

Lane Lasrich  
2597 East Bridger Blvd.  
Sandy, UT 84093



Roland R. Lewis Trustee of the  
Ruth S. S. Lewis, Revocable  
Trust Dated 2-4-1983  
1906 Mission Street  
South Pasadena, CA 91030

John C. Osmond  
6212 South Galena Court  
Englewood, CO 80111

J.C. Pikerton  
3030 S. Madison  
Tulsa, OK

C.Cash Rampton & Virginia T.  
Rampton  
170 Virginia St.  
Salt Lake City, UT

Charles A. Shear  
P.O. Box 2665  
Grand Junction, CO 81502

Uintah Basin Royalty  
Partnership  
1738 South Poplar St.  
Casper, WY 82601

KC Premium Royalty Corporation  
P.O. Box 950  
Midland, TX 79702

Surface Owners

State of Utah  
C/O Division of State Lands and  
Forestry  
III Triad Center, Suite #400  
Salt Lake City, UT 84180-1203

United States of America  
Bureau of Land Management  
Utah State Office  
324 South State Street #301  
Salt Lake City, UT 84111

**Underground Injection Control (UIC)  
Permit Application  
Supplement Attachment to Form Four**

**Equitable Resources Energy Company, Balcron Oil Division  
Coyote Basin Pilot Waterflood  
Uintah County, Utah**

List of Figures

Figure #1	Topographic Map - Area of Review
Figure #2	Coyote Basin Pilot Waterflood Facility Diagram
Figure #3	Surface Ownership

List of Exhibits

Exhibit A	Area of Review Well List
Exhibit B	Well Data Sheets and Scout Cards
Exhibit C	Injection Zone Perforation Intervals
Exhibit D	Produced Water Analysis Report
Exhibit E	Fracture Pressure Data
Exhibit F	Packer Fluid Recommendation
Exhibit G	Source Water Analysis Report
Exhibit H	Core Analysis
Exhibit I	Proposed Injection Well Surface Equipment
Exhibit J	Proposed Injection Well Completion Diagrams
Exhibit K	Details on Packer and Flow Regulators
Exhibit L	Plugging and Abandonment Diagrams
Exhibit M	Evidence of Financial Ability
Exhibit N	Existing EPA Permits Held by Balcron Oil

Underground Injection Control (UIC)  
Permit Application  
Supplement Attachment To Form Four

Company: Balcron Oil, a division of  
Equitable Resources Energy Company  
Project: Coyote Basin Waterflood  
Section 6, T8S, R25E  
Uintah County, Utah

- A) AREA OF REVIEW METHODS:
- 1) The area of review is a fixed radius of  $1\frac{1}{4}$  mile from the wellbore.
- B) MAPS OF WELL/AREA & AREA OF REVIEW:
- 1) Figure #1 - Topographic Map showing the area of review. A  $1\frac{1}{4}$  mile radius from proposed water injection wellbores is outlined with all wells in the prescribed area located and identified. This area includes:
    - Four oil and gas wells.
    - One shut-in oil production well.
    - Two oil wells proposed for conversion to water injection.
    - One water supply well.
    - Four plugged and abandoned wells.

Refer to Exhibit-A for a list of wells within the area of review.
  - 2) Figure #2 - Coyote Basin Waterflood, proposed water supply lines and injection facility diagram.
  - 3) Figure #3 - Surface ownership map showing State and Federal ownership. All surface and minerals within the waterflood boundary are owned by the Bureau of Land Management.
- C) CORRECTIVE ACTION PLAN AND WELL DATA:
- 1) A tabulation of well data is presented for each well within the area of review, refer to Exhibit-B, well data sheets and scout cards.
  - 2) It is proposed to inject water into multiple sands of the Green River Formation using downhole choke and packer assemblies which will be landed on tubing. The annulus of the proposed injection wells will be filled with a protective corrosion inhibitor and the backside pressure will be monitored daily. If abnormal backside pressure is detected the well will be pulled to determine the source of the leak. Stab type pressure recepticals will be installed on the backside of the injection wells and the pumpers will carry stab gauges to check the annulus pressure.

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- D) MAPS AND CROSS SECTIONS OF USDW:  
- Does not apply to Class Two injection wells.
- E) NAME AND DEPTH OF USDW:
- 1) There are no underground sources of drinking water or water wells in the area of review. No fresh water sources will be affected by these water injection operations. The top of the saline water bearing horizon (>10,000 PPM TDS) in this area is 1,000 feet mean sea level, which falls in the Green River Formation. This information was provided by Gil Hunt with the Division of Oil, Gas, and Mining, State of Utah. The average MSL elevation for the area of review is 5,550 feet. This puts the top of the saline water horizon at 4,500 feet in depth. There are no fresh water bearing zones in this interval for our area of review.
  - 2) The water well referenced within the area of review is the Coyote Basin #32-6. This well will be used for the proposed waterflood source water and does not produce fresh water. This well was drilled to test the oil bearing sands of the Green River Formation and was plugged back and completed in an isolated water sand at a depth of 3,100 feet. Refer to Exhibit-G for a water analysis.
- F) MAPS AND CROSS SECTIONS OF GEOLOGIC STRUCTURE OF AREA:  
- Does no apply to Class Two injection wells.
- G) GEOLOGICAL DATA ON INJECTION AND CONFINING ZONES:
- 1) The flooding objectives of the proposed Coyote Basin waterflood are lenticular channel sandstones which are distributed throughout the Douglas Creek Member of the Green River Formation. These sands occur over 200 feet of vertical section at an average depth range of 4,400 feet to 4,600 feet. They exhibit a fining upward grain size, typical of fluvial channel deposits, with an average thickness of 8 feet. Due to the multiple potential waterflood horizons in the Douglas Creek Member, Balcron Oil Division is requesting approval to inject water into any or all of the occurring sands within this interval.
  - 2) The initial proposed waterflood will inject water into three of these confined sand stringers through two proposed injection wells. For specific injection intervals please refer to the perforation intervals of each injection well outlined in Exhibit-C and the well data sheets and wellbore diagrams provided in Exhibit-B.

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- 3) Estimated Formation Tops:
- |                       |                        |
|-----------------------|------------------------|
| Unita Formation       | Surface to 1730 feet   |
| Green River Formation | 1730 feet to 4800 feet |
| Douglas Creek Member  | 4030 feet to 4800 feet |
| Wasatch Transition    | 4800 feet to 5000 feet |
| Wasatch Formation     | 5000 feet              |

NOTE: The Douglas Creek interval is shown as a member within the Green River Formation.

- 4) The confining zones for the proposed injection interval consists of mixed continental and lacustrine shales. The Douglas Creek Member is primarily interbedded sand stringers and shale which will act as isolation barriers for the waterflood. The top confining zone is the shales of the Green River Formation and the bottom confining zone is the shales of the Wasatch Formation.
- 5) The injection interval water quality is an analysis of the produced water from the East Redwash #1-6. This well is perforated in most of the proposed injection sands and represents an average produced water sample. The analysis shows 8,200 mg/l chloride and 15,638 mg/l TDS. Refer to Exhibit-D for the produced water analysis report.
- 6) The average fracture gradient for the Douglas Creek Member sands is 0.830 psig per foot. This is an average of all the frac gradients calculated from jobs performed in the Coyote Basin Field. Refer to Exhibit-E for frac pressure and gradient data.
- 7) Calculations for the submitted frac gradients are based on the initial shut-in pressures obtained from the frac jobs performed on the Coyote Basin Field. Fracture records show that the frac sand was displaced with 2% KCl water. The hydrostatic gradient for the 2% KCl water was calculated at 0.43836 psig per foot. This gradient was used to calculate the hydrostatic head of the KCl water and was added to the ISIP. The frac gradient was then calculated by dividing the sum of these pressures by the average of the perforation depth.

$$\text{Frac Gradient} = (\text{ISIP} + 0.43836 \text{ psig/ft}(\text{Depth}))/\text{Depth}$$

- 8) Logs for the proposed water injection wells are enclosed, which include cement bond, porosity, and resistivity logs for the East Redwash #4-6 and Coyote Federal #42-6X wells. The well files received by Balcron Oil for the East Redwash #4-6 well did not contain a cement bond log. However, if required, we could contact the BLM or the Utah State Oil and Gas Commission to see if there is one available.
- 9) The proposed water injection wells were drilled with a rotary rig using a conventional water based mud to an average total depth of 4700 feet. Production casing was run through the productive sands of the Green River Formation and cemented to a point well above the upper most sand. The wells were then perforated and fractured with gelled water and sand fracs. Refer to the well data sheets presented in Exhibit-B for specific completion details.

H) OPERATING DATA:

- 1) Average water injection volume of 120 STBWD. Maximum water injection volume of 250 STBWD.
- 2) Average estimated injection pressure of 1000 psig. Maximum estimated injection pressure of 1800 psig. The injection pressure for this waterflood are estimated from hot oiling operating and from injectivity tests performed on the East Redwash #2-5. The East Redwash #2-5 was tested for reservoir temperature and pressure, and for injection pressure. A hot oiler was used to pump water into the reservoir at various rates and the pressure was recorded. The following data was observed:

Ellapsed Time (Hours)	Injection (BPM)	Rate (BPD)	Pressure (PSIG)
0	0.125	180	0
2	0.125	180	550
4	0.275	396	825
6	0.414	596	950
8	0.54	777	1075

NOTE: ISIP at 1075 psig, 5 minutes at 800 psig, 30 minutes at 300 psig, and 1 hour at 100 psig.

- 3) The annulus of the proposed injection wells will be filled with a protective corrosion inhibitor (Cortron R-2383) supplied by Champion Technologies, Inc. The recommended chemical will be mixed with fresh water at a concentration to 2% by volume. Refer to Exhibit-G for the recommendation of packer fluid.
  - 4) Water for the Coyote Basin Waterflood will be supplied by the Coyote Basin Federal #32-6 water supply well. The well was drilled to test the oil bearing sand of the Green River Formation and was plugged back due to lack of production. The well was converted to a water supply well by Balcron Oil by perforating the well in an upper water bearing zone at 3108 feet to 3154 feet in depth. A 320D Lufkin pumping unit was installed and the well is capable of producing 500 STBWPD. This water is not potable due to the concentration of chemical components found in the water. The analysis for this water shows 540 mg/l chloride, 57.8 mg/l hydrogen sulfide, and 1739 mg/l TDS with a specific gravity of 1.003. Refer to Exhibit-G for the analysis of the proposed injection water.
  - 5) As the waterflood progresses and water breakthrough occurs, it is proposed to inject the produced water back into the formation. At this time, we are requesting approval to commingle the produced water with the supply water and inject it back into the formation to keep water trucking and water disposal costs down. We are presently producing approximately 70 STBW per day. Refer to Exhibit-D for the produced water analysis report.
- I) FORMATION TESTING PROGRAM:
- 1) The porosity of the injection sands ranges from 10% to 16%. The porosity is determined using compensated neutron/density porosity logs and core analysis. The core analysis is from the Coyote Basin #43-12 well located in Section 12, T8S, R24E. This well is located outside the area of review; however, it represents similar reservoir conditions and depositional environment as the section six wells. Refer to Exhibit-H for the core analysis and to the enclosed porosity logs.
  - 2) The permeability of the injection sands ranges from 0.01 to 2.6 md in silty sections and 170 to 486 md in clean sand with an average clean sand permeability of 338 md.



- 9
- 3) A mechanical integrity test will be conducted on all proposed water injection wells prior to conversion. The casing will be integrity tested by setting a tubing conveyed packer just above the perforations and pressuring the annulus to 500 psig. The pressure will be held for a one hour test. The EPA Will be notified of the mechanical integrity test schedule prior to actual testing.
  - 4) A four point injection test will be performed on at least one of the proposed injection wells prior to water injection to determine the formation parting pressure and the results will be submitted to the EPA.
  - 5) Fracture treating rates, average and maximum pressure, ISIP, and frac gradients have been tabulated for the area of review and are presented in Exhibit-E.
  - 6) The present reservoir pressure is approximately 900 psig. This pressure is estimated from pressure build-up tests performed on various wells throughout the field.
- J) STIMULATION PROGRAM:
- 1) The lower set of perforations on the East Redwash #4-6 have not been fractured. If injectivities are high for this zone, it is possible that a small sand fracture will be performed. The lower perforations will be isolated and fractured down tubing with approximately 230 STB of gelled water and 15,000 lbs of 20-40 mesh sand. These fracs are intended for wellbore clean up and not for the propagation of large fractures. Refer to Exhibit-B and C for the perforation interval in question.
  - 2) There are no other stimulations proposed at this time.
- K) INJECTION PROCEDURES:
- 1) The injection procedure for the Coyote Basin Pilot waterflood will be as follows:
    - a) Water from the Coyote Basin #32-6 water supply well will be piped to Balcron's proposed water injection plant approximately 1750 feet.
    - b) The water will be filtered with 75 micron filters before entering a 400 STB water storage tank.
    - c) A triplex injection pump will be used to pressurize the water to 1200 psig and will be equipped with a high pressure pulsation dampener.
    - d) The pressurized water will travel through a four-inch injection manifold and out to two well feed lines.
    - e) Each feed line will supply one injection well.

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- f) Each injection well will be equipped with a metering and choking system for adjusting flowrates and tubing injection pressures. A check valve will also be installed on every well to prevent backflow. Refer to Section M, Construction Details, of this report.
    - g) The water will pass down the tubing to down-hole choke assemblies which will regulate the amount of water that can enter each injection zone. Each injection zone will be isolated with tension packers.
  - 2) The injection facility will be equipped with pressure monitoring and safety shut-down devices to protect against high or low pressure failures. It will also have tank level, oil, temperature, and other safety shut-down devices.
- L) CONSTRUCTION PROCEDURES:
- 1) The proposed injection wells will be converted to water injection by pulling the existing rods and tubing from the wells. A bit and casing scraper will be ran to total depth to ensure that the casing is clean. Any fill encountered will be circulated out of the well using a hot oiler. The proposed downhole injection equipment will then be ran on tubing and set at the appropriate depth. The casing annulus will be filled with the recommended packer fluid and the backside will be pressured up for the required mechanical integrity testing.
- M) CONSTRUCTION DETAILS:
- 1) Refer to Exhibit-I for the proposed well surface injection equipment.
  - 2) Refer to Exhibit-B for well data sheets and to Exhibit-J for a wellbore diagram of each proposed injection well.
  - 3) The injection wells will be equipped with 2-3/8 inch tubing with tension packers set to isolate each injection zone. The lowermost packers will be a retrievable casing tension packer with tandem tension packer set above. The water flowrate for each injection zone will be controlled with wireline retrievable downhole flow regulators. The flow regulators are required to ensure that an equal amount of water goes into each zone. Refer to Exhibit-J for packer setting depths in each well and to Exhibit-K for details on the packer/flow regulator assemblies.

N) CHANGES IN INJECTION FLUID:

- 1) As the waterflood progresses and water breakthrough occurs, it is proposed to inject the produced water back into the formation. At this time, we are requesting approval to commingle the produced water with the supply water and inject it back into the formation. We are presently producing approximately 70 STBW per day; however, it is not feasible to make estimates as to the volume or quality of future produced water.

O) PLANS FOR WELL FAILURES:

- 1) All injection wells and related facilities will be monitored daily for integrity. The backside pressure will be checked daily and if abnormal backside pressure is detected the well will be pulled to determine the source of the leak. If a casing leak is found, the leak will be isolated and squeezed with cement. The casing will be checked for mechanical integrity to ensure that the squeeze job repaired the leak. If a leak cannot be repaired, the well will either be returned to production and pumped off or plugged and abandoned according to the procedure outlined in Section-Q.

P) MONITORING PROGRAM:

- 1) The waterflood will be monitored through the existing oil production wells. Each production well will be monitored for waterflood response and records of daily oil and water production will be kept. Fluid levels will be shot when possible to monitor reservoir pressure and flood advancement. Refer to Figure #1 & #2 for the location of these oil production wells.

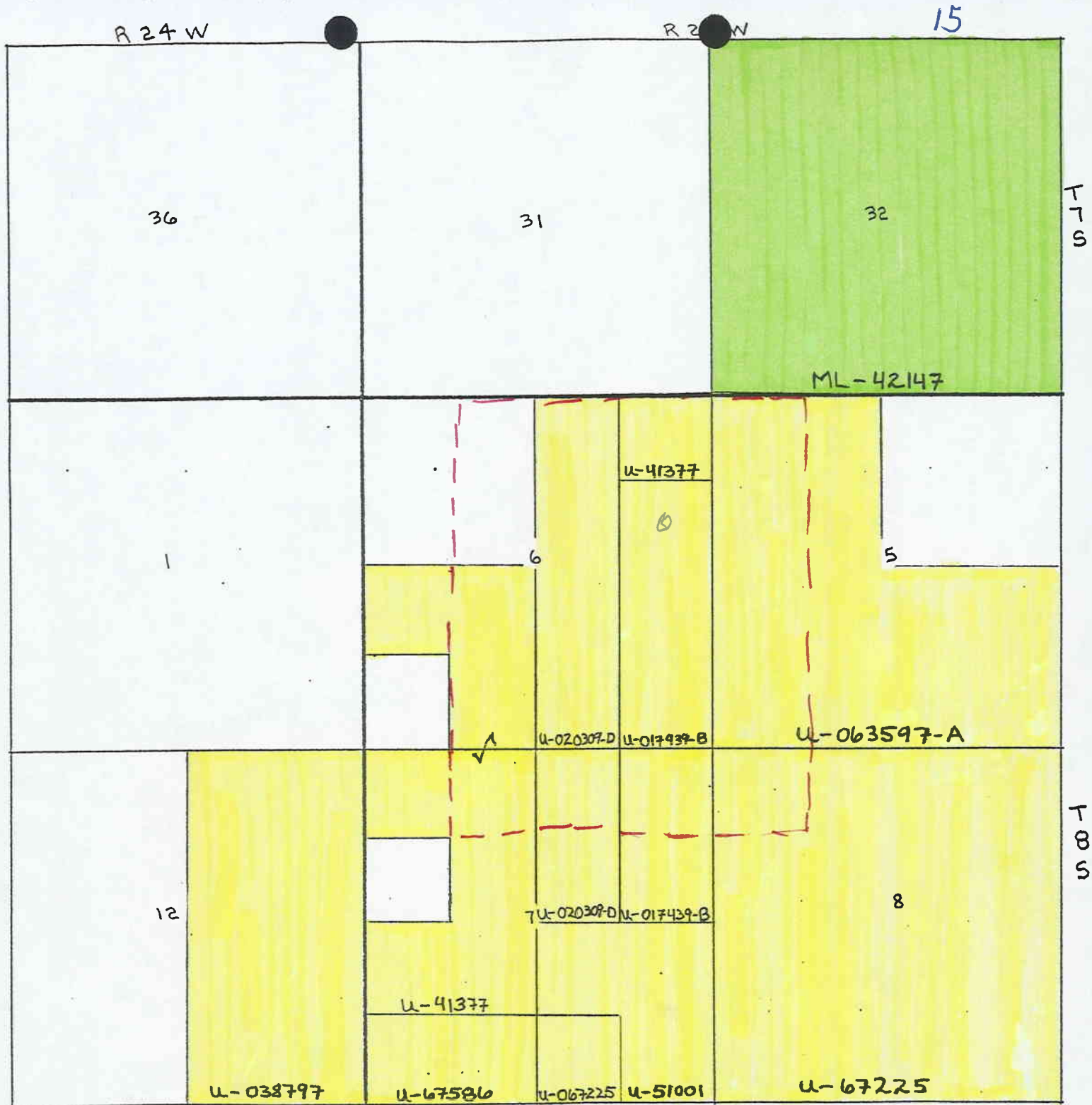
Q) PLUGGING AND ABANDONMENT PLAN:

- 1) The plugging and abandonment plan proposed consists of running into the well with tubing and washing the well out to total depth to ensure that the perforations are clear. If the well is not dead, mud will be mixed on location to a sufficient weight for killing the well. The mud will be circulated down the tubing and into the casing until the water has been displaced and/or the well has been killed. The well will then have a balanced cement plug using 100 sacks of Class "G" cement placed over the Douglas Creek Member of the Green river Formation (i.e. over the perforation interval) from total depth to a point at least 300 feet above the uppermost perforation. The top of the first cement plug will be at a depth of approximately 3800 feet. The tubing will be pulled out of the hole and the production casing will be perforated for two feet with four shots per foot at a point 100 feet below the surface casing shoe. circulation will be established to surface, down the

Permit Application  
Page 9

casing and up the annulus via the perforations to the surface using 100 sacks of Class "G" cement. The top of the second cement plug will be at the surface and the bottom will be 100 feet below the surface casing shoe. A permanent marker will be set identifying the well name, lease, location, elevation, and plugging date.

- 2) Refer to Exhibit-L for plugging and abandonment plan and diagrams.
- R) NECESSARY RESOURCES:
  - 1) Refer to Exhibit-M for evidence of financial ability to plug and abandon the proposed injection wells.
- S) AQUIFER EXEMPTION:
  - 1) No aquifer exemption if requested.
- T) EXISTING EPA PERMITS:
  - 1) Refer to Exhibit-N for existing EPA permits held by Balcron Oil.
- U) DESCRIPTION OF BUSINESS:
  - 1) Balcron Oil, a division of Equitable Resources Energy Company is an independent oil and gas production company located in Billings, Montana. Balcron Oil employs engineers, geologists, and a field staff with the knowledge and technical experience required to maintain and operate the proposed facilities.



Balcron Oil Operated Leases

Federal Owned Surfaces

State Owned Surfaces

BALCRON OIL  
COYOTE BASIN PROSPECT  
UINTAH COUNTY, UTAH

Surface Ownership and Lease Map

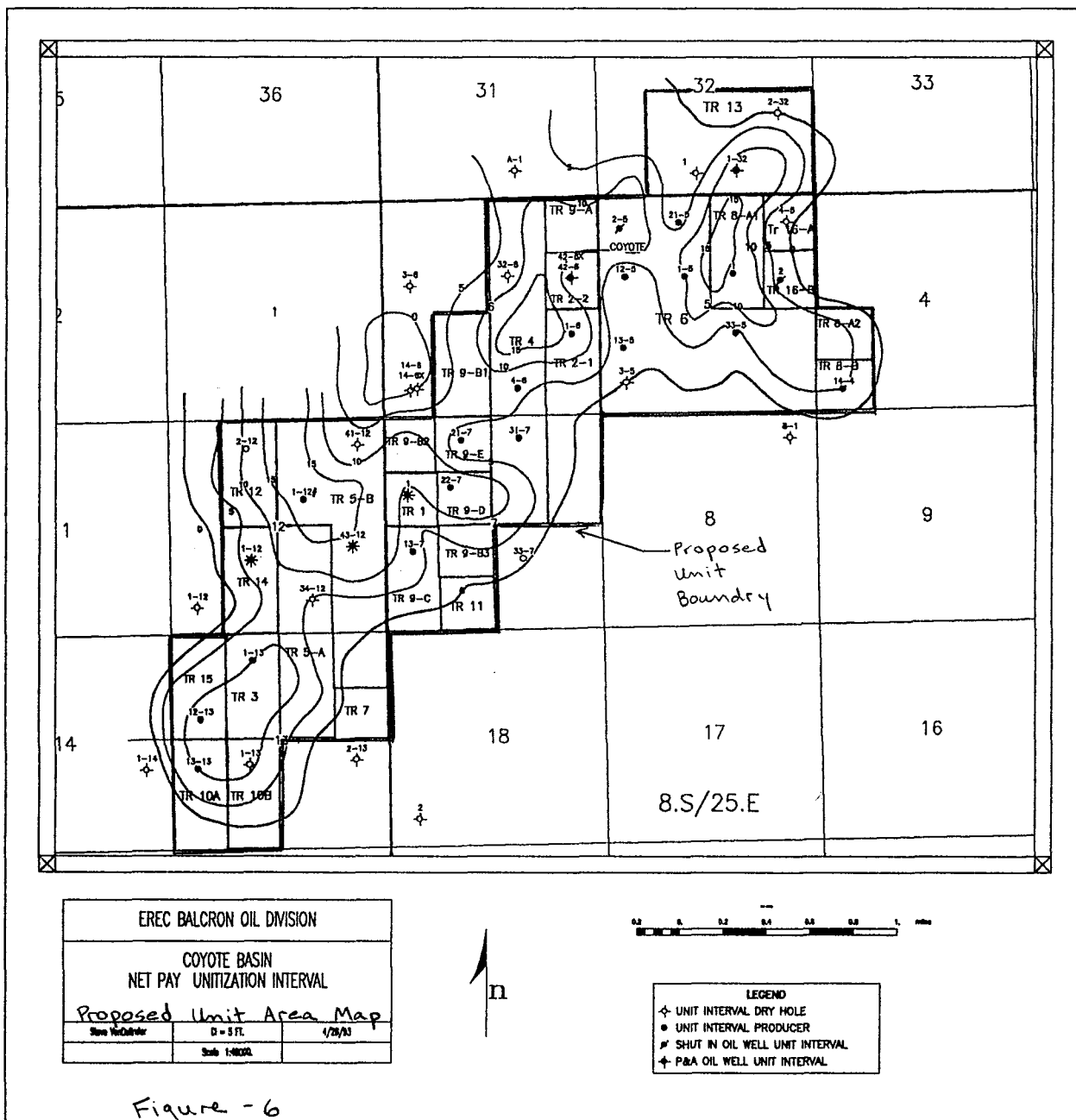
Scale 1:24000

Figure #3

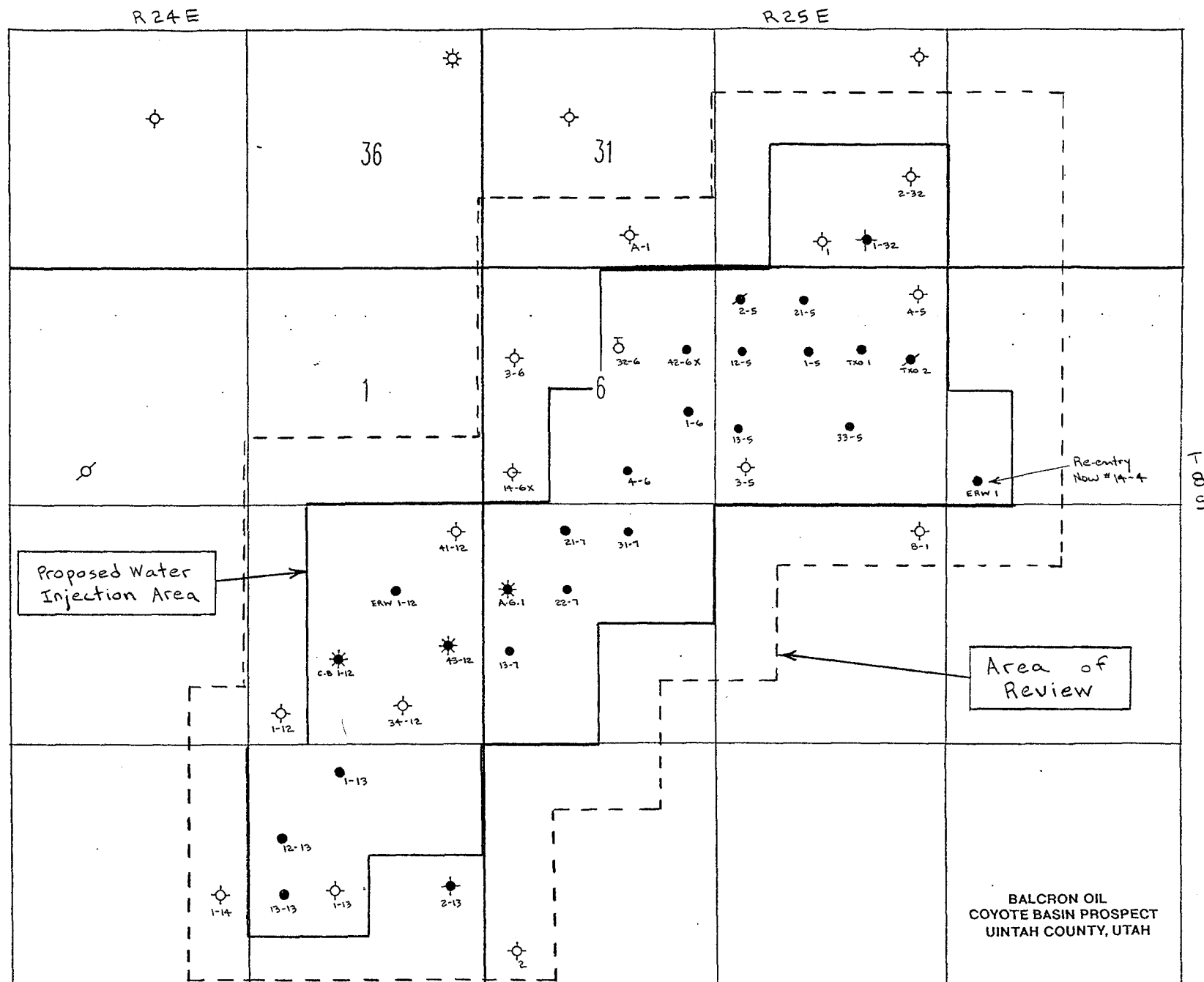
Exhibit - A  
Area of Review Well List  
Coyote Basin Pilot Waterflood

Well Name	Operator	Location
Four Oil & Gas Wells.		
Coyote Federal #12-5	Balcron	SW NW Sec.5,T8S,R25E
Coyote Federal #31-7	Balcron	NW NE Sec.7,T8S,R25E
East Redwash Fed. #1-6	Balcron	NE SE Sec.6,T8S,R25E
Coyote Basin Fed. #21-7	Balcron	NE NW Sec.7,T8S,R25E
One Shut In Oil Production Well.		
East Redwash Fed. #2-5	Balcron	NW NW Sec.5,T8S,R25E
Two Oil Wells Proposed For Conversion To Water Injection.		
Coyote Federal #42-6X	Balcron	SE NE Sec.6,T8S,R25E
East Redwash Fed. #4-6	Balcron	SW SE Sec.6,T8S,R25E
One Water Supply Well.		
Coyote Basin Fed. #32-6	Balcron	SW NE Sec.6,T8S,R25E
One Proposed Oil Production Well Location.		
Coyote Federal #13-5	Balcron	SW SW Sec.5,T8S,R25E
Four Plugged & Abandoned Wells.		
Coyote Basin Fed. #A-1	TXO Production Corp.	SW NE Sec.31,T7S,R25E
Coyote Basin Fed. #14-6X	Cotton Petroleum Corp.	SW SW Sec.6,T8S,R25E
East Redwash Fed. #3-5	Diamond Shamrock Expl.	SW SW Sec.5,T8S,R25E
East Redwash Fed. #3-6	Shamrock Oil & Gas Co.	SW NW Sec.6,T8S,R25E

Exhibit - B  
Well Data Sheets and Scout Cards







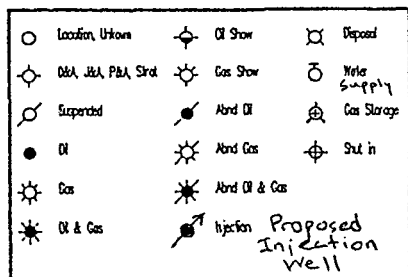
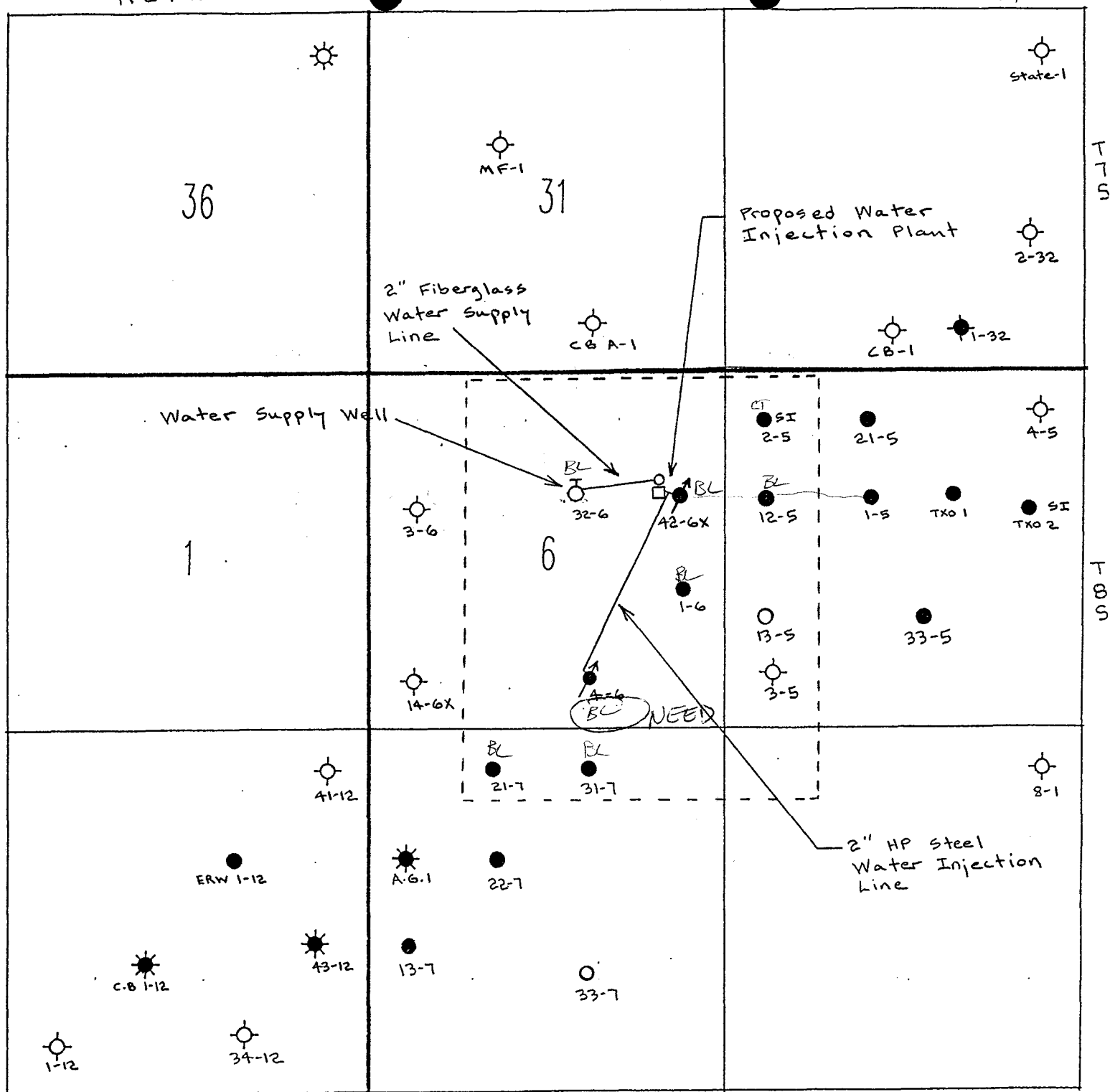
- Oil Production Well
- ⊕ Water Supply Well
- ⊙ P&A Well
- ⊙➔ Proposed Water Injection Well
- ⊙⊕ Shut-In Well

Figure - 1  
Area of Review  
Proposed Water Injection Area  
JZ  
5-14-93

R 24 E

R 25 E

14



Scale 1:24000

# BALCRON OIL

## Coyote Basin Prospect

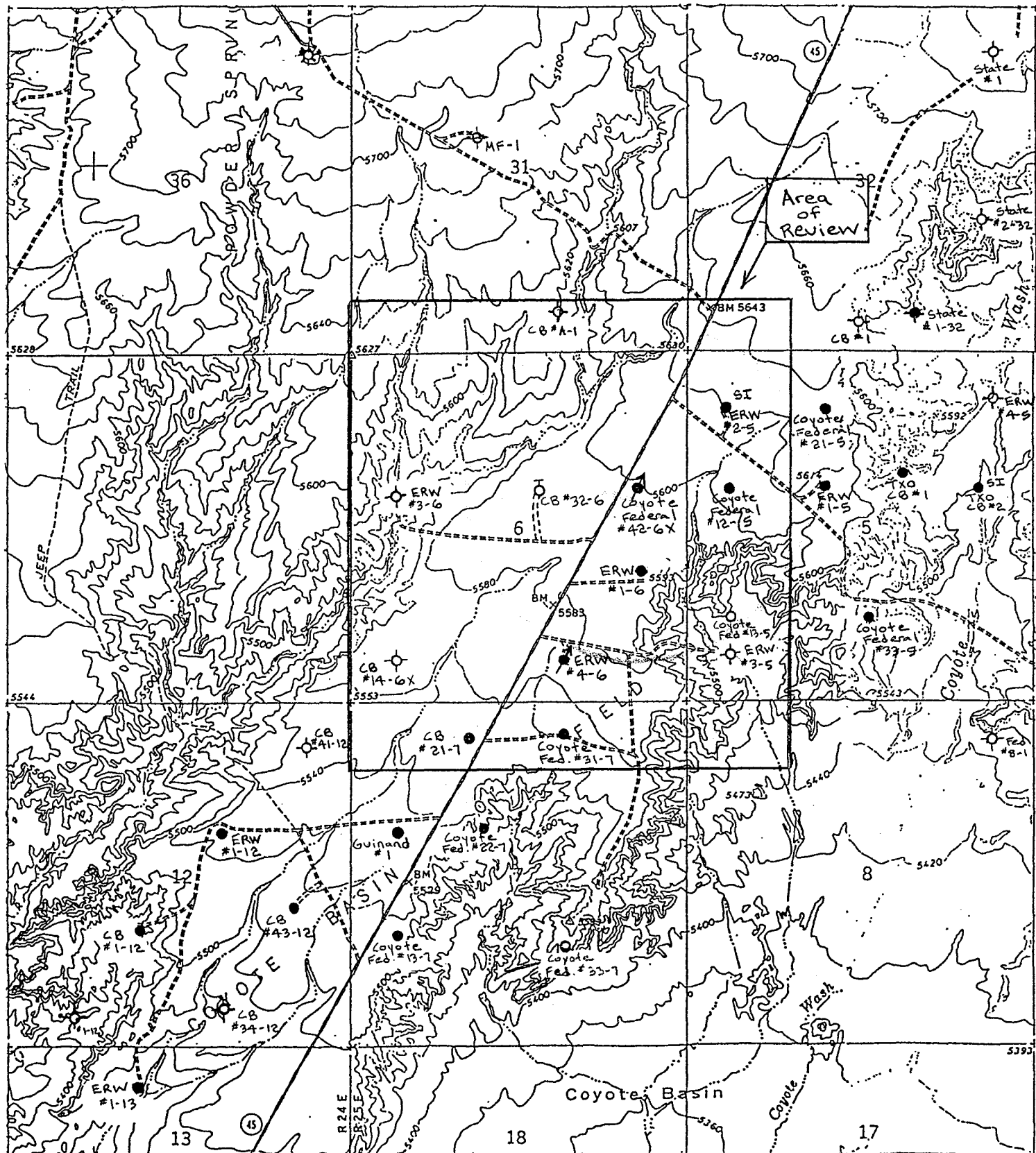
Uintah County, Utah

Proposed Pilot Waterflood  
Facility Diagram  
Figure # 2

R24E

R25E

13



1556 10'  
● CB #12-13

BONANZA 8 MI.  
DRAGON 30 MI.

● INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C. - 1871  
658 6590000m E

109°07'30" 460

- oil Production well
- Proposed Location
- Water Supply Well
- P & A Well
- Proposed Water Injection well
- CB Coyote Basin
- ERW East Red Wash
- SI Shut-In

**BALCRON OIL  
COYOTE BASIN PROSPECT  
UINTAH COUNTY, UTAH  
SCALE 1:24000**

Proposed Injection Well  
Area of Review  
Figure #1

## BALCRON OIL

## WELL REPORT

WELL NAME: Coyote Basin Federal #42-6X  
 FIELD: Coyote Basin  
 FEDERAL LEASE NO.: U-017439-B  
 LOCATION: SE NE Sec.6,T8S,R25E  
 COUNTY/STATE: Uintah,Utah  
 WORKING INTEREST: 1.0  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 9-15-92  
 INITIAL PRODUCTION: 7 STBOPD,3 MSCFPD,13.5 STBWP  
 OIL/GAS PURCHASER: Amoco  
 PRESENT PROD STATUS: 7 STBOPD,3 MSCFPD,13.5 STBWP  
 ELEVATIONS - GROUND: 5601'  
 TOTAL DEPTH: 4700'KB

API NO.: 43-047-32346

NET REVENUE INT.: 0.825

SPUD DATE: 8-12-92  
 OIL GRAVITY: 34 API  
 BHT: 112 Deg.F  
 DATE: 9-13-92  
 KB: 5611'(10'KB)  
 PLUG BACK TD: 4655'KB

## SURFACE CASING

STRING: 1  
 CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 lbs  
 LENGTH: 252'  
 DEPTH LANDED: 262'KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 190 sx, Class "G"  
 Cemented to surface.

## PRODUCTION CASING

STRING: 1  
 CSG SIZE: 5 1/5"  
 GRADE: J-55  
 WEIGHT: 15.5 lbs  
 LENGTH: 102 joints @ 4690'  
 DEPTH LANDED: 4700'KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 194 sx, Class "G"  
 142 sx, 50/50 poz  
 CEMENT TOP AT: 1760'KB from CBL

## TUBING RECORD

SIZE/GRADE/WT.: 2 7/8",J-55,6.5 lbs.  
 NO. OF JOINTS: 142 jts LENGTH: 4460'  
 TUBING ANCHOR: None  
 SEATING NIPPLE: 1.10' landed @ 4471'KB  
 PERF. SUB: 2 7/8"x 4'  
 MUD ANCHOR: 2 7/8"x 31'  
 PACKER: None  
 STRING LANDED AT: 4506'KB

## PERFORATION RECORD

4527'- 4535'(8' @ 2 SPF)  
 4546'- 4548'(2' @ 2 SPF)  
 4556'- 4574'(18' @ 2 SPF)

## WELL TREATMENT

4527'- 4574',Breakdown w/Western on 9-1-92.  
 Load tbg w/24.5 bbls of 2% KCl water,pump 5.5 STB,  
 start dropping balls at rate of 3 per minute,avg.  
 flowrate 6.8 BPM @ 2400 psig,max. pressure @ 3600  
 psig,min @ 2000 psig,did not ball off,ISIP @ 1100  
 psig,15 min @ 800 psig.

## SUCKER ROD RECORD

6 - 1" Rods w/2 1/2" Guides  
 172 - 3/4"x 25' Rods  
 1 - 3/4"x 2' Pony  
 1 - 1 1/4"x 16' Polish Rod

PUMP SIZE: 2 1/2"x 1 1/4"x 14' RHAC  
 STROKE LENGTH: 64"  
 PUMP SPEED, SPM: 4  
 PUMPING UNIT SIZE: Lufkin 114

## FRAC JOB

4527'- 4574',Frac w/Western on 9-3-92.  
 25,998 gal gel water w/61,600 lbs 20-40 sd.  
 Avg 35 BPM @ 1770 psig,max 2200 psig, ISIP  
 @ 1800 psig, 15 min @ 1260psig.

LOGS: Dual Induction-SFL,Natural Gamma Ray Spectrometry Log,Compensated Neutron-Foramtion Density.

COYOTE BASIN FED. #42-6X  
SE NE Sec.6,T8S,R25E  
Lease No. U-017439-B  
Coyote Basin Field  
Uintah County,Utah

BALCRON OIL  
10-12-92

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# Wellbore Diagram

## SURFACE CASING

8 5/8",24#  
Length: 252'  
Landed @ 262'KB  
Cemented w/190 sx, Class "G"  
Cemented to surface.  
Hole Size - 12 1/4"

## PRODUCTION CASING

5 1/2",J-55,15.5#  
102 jts @ 4690'  
Landed @ 4700'KB  
Cemented w/194 sx, Class "G" &  
142 sx, 50/50 poz  
Cement Top @ 1760'KB from CBL  
Hole Size - 7 7/8"

## TUBING

2 7/8",J-55,6.5#  
143 jts @ 4460'  
S.N. 1' landed @ 4471'KB  
Perf Sub - 2 7/8"x 4'  
Mud Anchor - 2 7/8"x 31'  
String landed @ 4506'KB

## SUCKER ROD

6 - 1" Rods w/2 1/2" Guides  
172 - 3/4"x 25' Rods  
1 - 3/4"x 2' Pony  
1 - 1 1/4"x 16' Polish Rod  
PUMP SIZE: 2 1/2"x 1 1/4"x 14' RHAC  
STROKE LENGTH: 64"  
PUMP SPEED, SPM: 4  
PUMPING UNIT SIZE Lufkin 114

## WELL TREATMENT

4527'- 4574',Breakdown w/Western on 9-1-92.  
Load tbg w/24.5 bbls of 2% KCl water,pump 5.5 STB,  
start dropping balls at rate of 3 per minute,avg.  
flowrate 6.8 BPM @ 2400 psig,max. pressure @ 3600  
psig,min @ 2000 psig,did not ball off,ISIP @ 1100  
psig,15 min @ 800 psig.

## FRAC JOB

4527'- 4574',Frac w/Western on 9-3-92.  
25,998 gal gel water w/61,600 lbs 20-40 sd.  
Avg 35 BPM @ 1770 psig,max 2200 psig, ISIP  
@ 1800 psig, 15 min @ 1260psig.

## PERFORATION RECORD

4527'- 4535'(8'@ 2 SPF)  
4546'- 4548'(2'@ 2 SPF)  
4556'- 4574'(18'@ 2 SPF)

PBTD @ 4655' KB

TD @ 4700' KB

## BALCRON OIL

## WELL REPORT

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WELL NAME: Balcron Coyote Federal #12-5  
 FIELD: Coyote Basin  
 FEDERAL LEASE NO.: U-063597-A  
 LOCATION: SW NW Sec.5,T8S,R25E  
 COUNTY/STATE: Uintah County, Utah  
 WORKING INTEREST: 1.00  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 8-25-92  
 INITIAL PRODUCTION: 8 STBOPD,3 MSCFPD,25 STBWPD  
 OIL/GAS PURCHASER: Amoco  
 PRESENT PROD STATUS: 8 STBOPD,3 MSCFPD,25 STBWPD  
 ELEVATIONS - GROUND: 5613.3'  
 TOTAL DEPTH: 4674'KB

API NO.: 43-047-32253

NET REVENUE INT.: 0.825

SPUD DATE: 7-8-92  
 OIL GRAVITY: 34 API  
 BHT: 108 Deg.F  
 DATE: 10-12-92  
 KB: 5624' (11'KB)  
 PLUG BACK TD: 4600'KB

## SURFACE CASING

STRING: 1  
 CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 lbs.  
 LENGTH: 249'  
 DEPTH LANDED: 260'KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 190 sx Class "G"  
 Cement to Surface.

## PRODUCTION CASING

STRING: 1  
 CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5 lbs.  
 LENGTH: 103 jts.  
 DEPTH LANDED: 4667'KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 163 sx Class "G"  
 130 sx 50/50 Poz  
 CEMENT TOP AT: 1913'KB from CBL

## TUBING RECORD

SIZE/GRADE/WT.: 2 7/8",J-55,6.5 lbs  
 NO. OF JOINTS: 142 jts. LENGTH: 4516'  
 TUBING ANCHOR: None  
 SEATING NIPPLE: 1.02' @ 4527'KB  
 PERF. SUB: 2 7/8"x 3'  
 MUD ANCHOR: 2 7/8"x 25'  
 STRING LANDED AT: 4555'KB

## PERFORATION RECORD

4552'- 4556' (4'@ 4 SPF)

## SUCKER ROD RECORD

1 - 1 1/4"x 16' Polished Rod  
 1 - 3/4"x 2' Pony  
 173 - 3/4"x 25' Rods  
 6 - 1"x 25' EL Rods

## FRAC JOB

4552'- 4556',Frac w/Western on 7-30-92.  
 275 BBLS gelled wtr & 16,000# 20-40 mesh  
 frac sand,avg. 25 BPM @ 2300 psig,ISIP  
 @ 1470 psig,5 min @ 1330 psig,10 min @  
 1190 psig,15 min @ 1040 psig.

PUMP SIZE: 2 1/2"x 1 1/4"x 16' RHBC  
 STROKE LENGTH: 64"  
 PUMP SPEED, SPM: 4  
 PUMPING UNIT SIZE: Lufkin 114

LOGS: Gamma Ray Cement Bond, Natural Gamma Spectrometry, Dual Induction - SFL,  
 Microlog, Compensated Neutron-Formation Density.

BALCRON COYOTE FEDERAL #12-5  
SW NW Sec.5,T8S,R25E  
Lease No. U-063597-A  
Coyote Basin Field  
Uintah County,Utah

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BALCRON OIL  
10-12-92

Wellbore Diagram

SURFACE CASING

8 5/8",J-55,24#  
Length @ 24950'  
Landed @ 260'KB  
Hole Size @ 12 1/4"  
Cemented w/190 sx Class "G"  
~~Cemented to surface?~~

PRODUCTION CASING

5 1/2",J-55,15.5#  
103 joints  
Landed @ 4667'KB  
Hole Size @ 7 7/8"  
Cemented w/163 sx Class "G" &  
130 sx 50/50 Poz.  
Cement Top @ 1913'KB from CBL

TUBING

2 7/8",J-55,6.5#  
142 jts @ 4516'  
S.N. - 1.02' @ 4527'KB  
Perf Sub - 2 7/8"x 3'  
Mud Anchor - 2 7/8"x 25'  
String landed @ 4555'KB

SUCKER ROD

1 - 1 1/4"x 16' Polished Rod  
1 - 3/4"x 2' Pony  
173 - 3/4"x 25' Rods  
6 - 1"x 25' EL Rods

PUMP SIZE: 2 1/2"x 1 1/4"x 16' RHBC  
STROKE LENGTH: 64"  
PUMP SPEED, SPM: 4  
PUMPING UNIT SIZE Lufkin 114

FRAC JOB

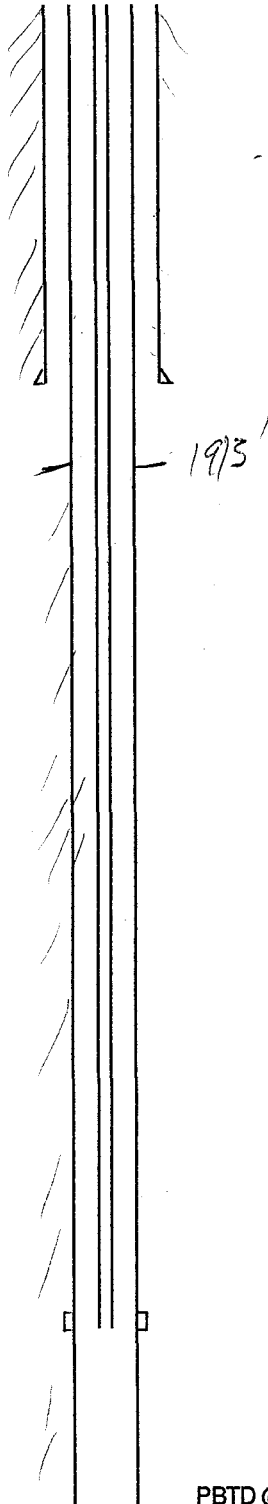
4552'- 4556',Frac w/Western on 7-30-92.  
275 BBLs gelled wtr & 16,000# 20-40 mesh  
frac sand,avg. 25 BPM @ 2300 psig,ISIP  
@ 1470 psig,5 min @ 1330 psig,10 min @  
1190 psig,15 min @ 1040 psig.

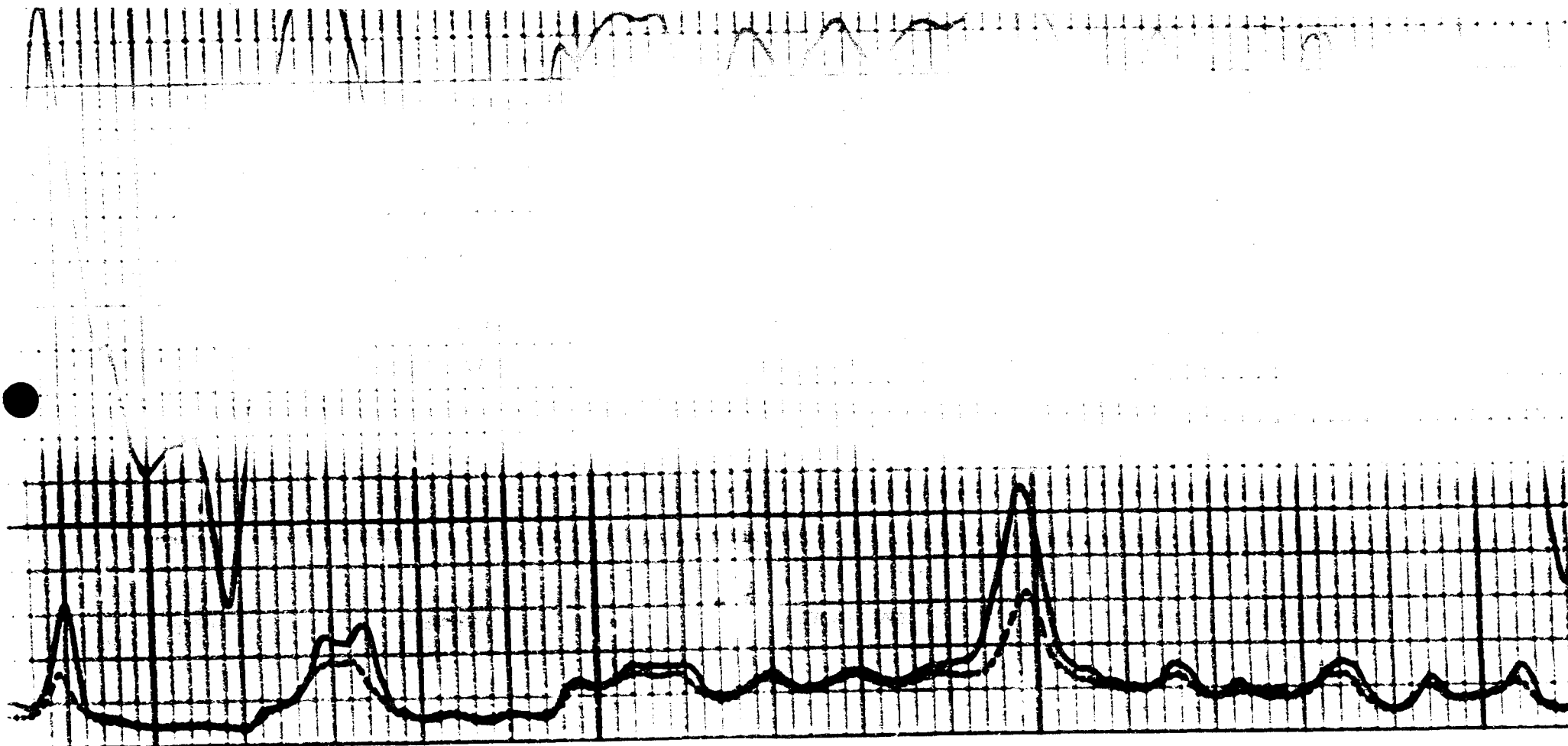
PERFORATION RECORD

4552'-4556' (4' @ 4 SPF)

PBTD @ 4600'KB

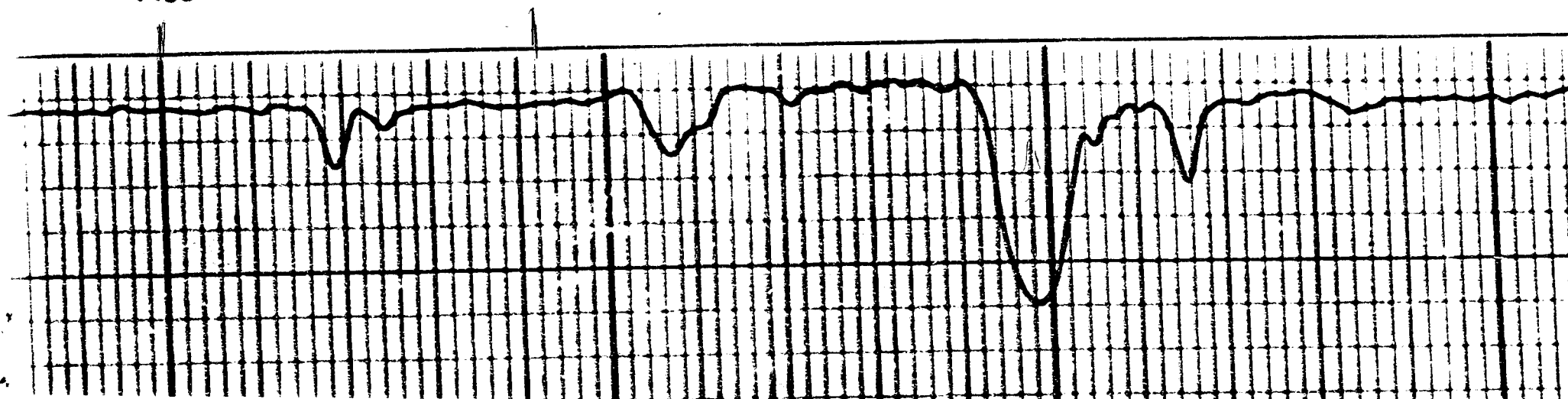
TD @ 4674'KB



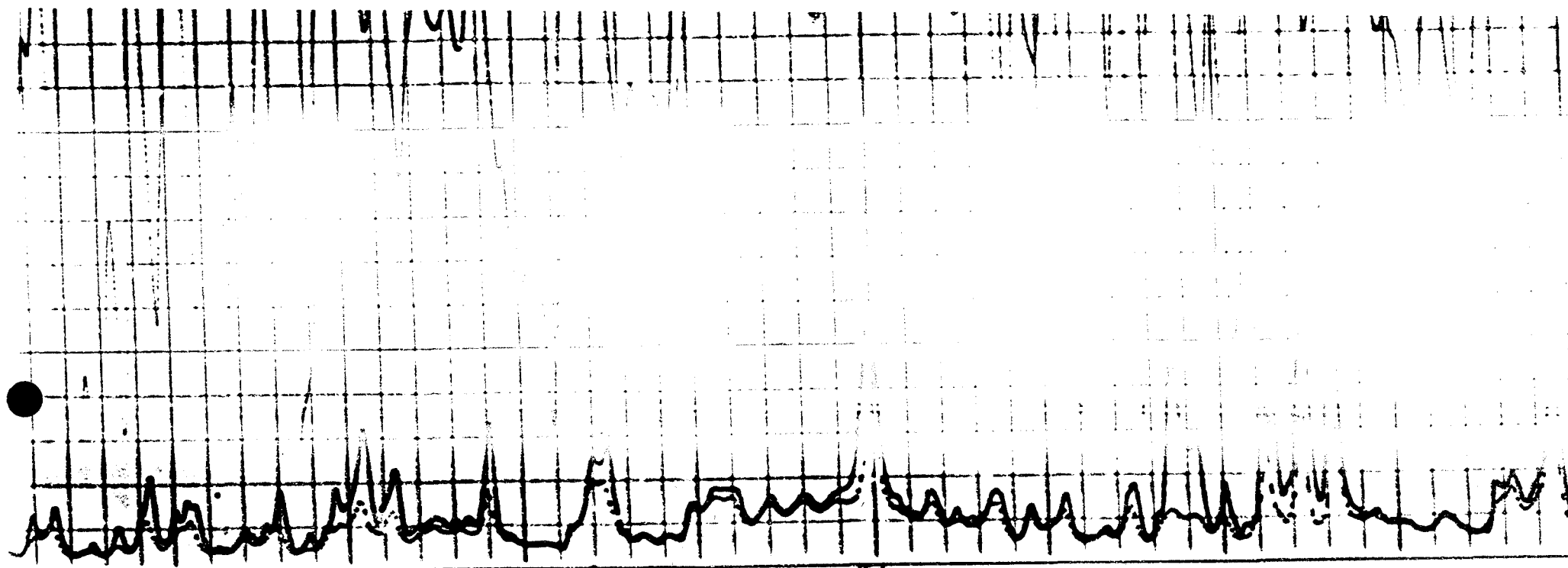


4400

4500





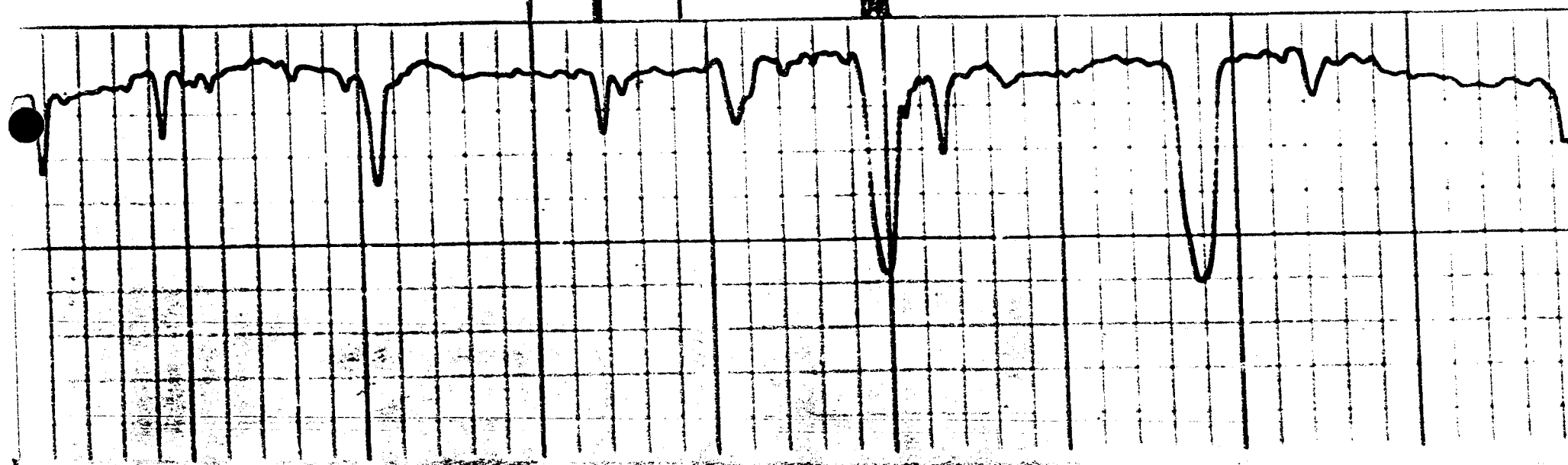


4300

4400

4500

4600



## BALCRON OIL

## WELL REPORT

WELL NAME: East Red Wash Fed. #2-5  
 FIELD: Coyote Basin  
 FEDERAL LEASE NO.: U-063597  
 LOCATION: NW NW Sec.5,T8S,R25E  
 COUNTY/STATE: Uintah,Utah  
 WORKING INTEREST: 1.00  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 7-22-67  
 INITIAL PRODUCTION: 96 STBOPD,23 STBOWPD  
 OIL/GAS PURCHASER: Amoco  
 PRESENT PROD STATUS: Shut-in  
 ELEVATIONS - GROUND: 5621'  
 TOTAL DEPTH: 4700'KB

API NO.: 43-047-20252

NET REVENUE INT.: 0.825

SPUD DATE: 6-26-67  
 OIL GRAVITY: 34 API  
 BHT: 122.38 Deg.F  
 DATE: 10-12-92  
 KB: 5633'(12'KB)  
 PLUG BACK TD: 4682'KB

## SURFACE CASING

## PRODUCTION CASING

STRING: 1  
 SIZE: 8 5/8"  
 GRADE: H-40  
 WEIGHT: 24 lbs.  
 LENGTH: 192'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 202'KB  
 CEMENT DATA: 165 sx "Regular"

STRING: 1  
 SIZE: 4 1/2"  
 GRADE: J-55  
 WEIGHT: 9.5 lbs.  
 LENGTH: 4683'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 4682'KB  
 CEMENT DATA: 150 sx Hall. Common

CEMENT TOP AT: Unknown

## TUBING RECORD

## PERFORATION RECORD

SIZE/GRADE/WT.: 2 3/8",J-55,4.7#  
 NO. OF JOINTS: 149 jts. LENGTH: 4624'  
 TUBING ANCHOR: None  
 SEATING NIPPLE: ID 1 25/32" set @ 4637'KB  
 PERF. SUB: 2 3/8"x 3'  
 MUD ANCHOR: 2 3/8"x 25'  
 STRING LANDED AT: 4665'KB

4563'- 4567' (4' @ 2 SPF)  
 4606'- 4610' (4' @ 2 SPF)  
 4613'- 4618' (5' @ 2 SPF)

## ACID JOB

500 gal acetic acid  
 250 gal 15% mud acid

## SUCKER ROD RECORD

## FRAC JOB

1 - 1 1/4"x 16' Polished Rod  
 184 - 3/4"x 25' Rods  
 3 - 3/4"x 4' Ponies  
 2 - 3/4"x 2' Ponies  
 Note: Rods & pump laid down & hauled to yard.

4563'- 4618',Frac w/Halliburton on 7-12-67.  
 29,000 gals wtr w/20 lbs WAC8/1000 gals & 5 lbs  
 CW/1000 gals,15000 lbs 10-20 mesh sand w/13 ball  
 sealers in middle of treatment.ISIP @ 1500 psig.

PUMP SIZE: 2"x 1 1/4"x 12' RHBC  
 STROCK LENGTH: NA  
 PUMP SPEED, SPM: NA  
 PUMPING UNIT SIZE: Unit Removed.

2nd Treatment: 13,500 lbs 10-20 mesh sand,2000  
 lbs 8-12 mesh glass beads in 20,000 gals wtr,avg.  
 36 BPM @ 3400 psig.

LOGS: Borehole Compensated Soni Log-Gamma Ray,  
 Induction Electrical Log, Gamma Ray Correlation.

Note: Pressure build-up test ran 1-17-92 shows 1287.50 psig BHP @ 4400'.

EAST RED WASH FED. #2-5  
NW NW Sec.5,T8S,R25E  
Lease No. U-063597  
Coyote Basin Field  
Uintah County,Utah

BALCRON OIL  
10-12-92

Wellbore Diagram

SURFACE CASING

8 5/8",H-40,24#  
Length @ 192'  
Landed @ 202'KB  
Cemented w/165 sx, Regular  
Hole Size - 12 1/4"  
*68 Fr cm*

PRODUCTION CASING

4 1/2",J-55,9.5#  
Length @ 4683'  
Landed @ 4682'KB  
Cemented w/150 sx, Hall. Common  
Hole Size - 7 7/8"  
*656 Fr cm*

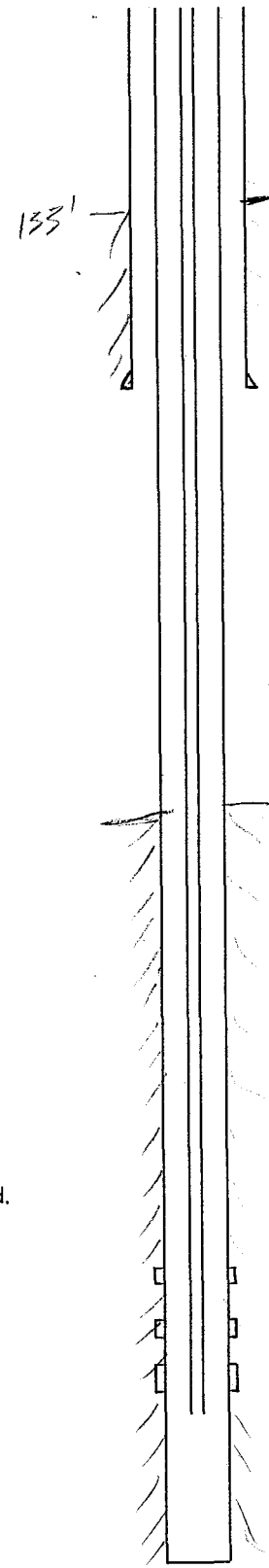
TUBING

2 3/8",J-55,4.7#  
149 jts @ 4624'  
S.N. @ 4637'  
Perf Sub - 2 3/8"x 3'  
Mud Anchor - 2 3/8"x 25'  
String landed @ 4665'KB

SUCKER ROD RECORD

1 - 1 1/4"x 16' Polished Rod  
184 - 3/4"x 25' Rods  
3 - 3/4"x 4' Ponies  
2 - 3/4"x 2' Ponies  
Note: Rods & pump laid down & hauled to yard.

PUMP SIZE: 2"x 1 1/4"x 12' RHBC  
STROCK LENGTH: NA  
PUMP SPEED, SPM: NA  
PUMPING UNIT SIZE Unit Removed.



ACID JOB

500 gal acetic acid  
250 gal 15% mud acid

FRAC JOB

4563'- 4618',Frac w/Halliburton on 7-12-67.  
29,000 gals wtr w/20 lbs WAC8/1000 gals & 5 lbs  
CW/1000 gals,15000 lbs 10-20 mesh sand w/13 ball  
sealers in middle of treatment.ISIP @ 1500 psig.

2nd Treatment: 13,500 lbs 10-20 mesh sand,2000  
lbs 8-12 mesh glass beads in 20,000 gals wtr,avg.  
36 BPM @ 3400 psig.

PERFORATION RECORD

4563'- 4567' (4' @ 2 SPF)  
4606'- 4610' (4' @ 2 SPF)  
4613'- 4618' (5' @ 2 SPF)

PBTD @ 4682'KB  
TD @ 4700'KB

BALCHON OIL

WELL REPORT

WELL NAME: East Red Wash Fed. #1-6  
 FIELD: Coyote Basin  
 FEDERAL LEASE NO.: U-017439-B  
 LOCATION: NE SE Sec.6,T8S,R25E  
 COUNTY/STATE: Uintah,Utah  
 WORKING INTEREST: 1.00  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 4-24-67  
 INITIAL PRODUCTION: 130 STBOPD, Gas TSTM  
 OIL/GAS PURCHASER: Amoco  
 PRESENT PROD STATUS: 11 STBOPD,3.8 MSCFPD,8 STB  
 ELEVATIONS - GROUND: 5592'  
 TOTAL DEPTH: 4646'KB

API NO.: 43-047-20208

NET REVENUE INT.: 0.825

SPUD DATE: 4-6-67  
 OIL GRAVITY: 34 API  
 BHT: 104 Deg.F  
 DATE: 9-1-92  
 KB: 5604'(12'KB)  
 PLUG BACK TD: 4624'KB

SURFACE CASING

PRODUCTION CASING

STRING: 1  
 CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 lbs.  
 LENGTH: Six joints @ 194'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 206'KB  
 CEMENT DATA: 175 sx  
 Cemented to surface

STRING: 1 2  
 CSG SIZE: 5 1/2" 5 1/2"  
 GRADE: J-55 J-55  
 WEIGHT: 14 lbs 15.5 lbs  
 LENGTH: 1146.65' 3478.07'  
 DEPTH LANDED: 4636'KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 150 sx, 50-50 poz  
 CEMENT TOP AT: 3700' from CBL

TUBING RECORD

PERFORATION RECORD

SIZE/GRADE/WT.: 2 7/8",J-55,6.5#  
 NO. OF JOINTS: 143 jts LENGTH: 4468'  
 TUBING ANCHOR: None  
 SEATING NIPPLE: 1.10'@ 4481'KB  
 PERF. SUB: 2 7/8"x 4'  
 MUD ANCHOR: 2 7/8"x 32'  
 STRING LANDED AT: 4517'KB

4470'- 4484' (14' @ 1 SPF)

SUCKER ROD RECORD

ACID JOB

1-2'x 3/4" Pony  
 178-3/4" Rods  
 1-4'x 3/4" Pony  
 1-1 1/2"x 22' Polished Rod

4470'- 4484',Western on 4-28-85.  
 1000 gals 7.5% HCl & 1000 gals xylene,  
 avg. 1 BPM @ 200 psig,max @ 1200 psig,  
 ISIP @ 150 psig,15 min @ 100psig.

4470'- 4484',Dowell on 10-27-89.  
 1000 gals 15% HCL,25 BPM @ 1200 psig,  
 Max 1500 psig,ISIP @ 300 psig.

FRAC JOB

PUMP SIZE: 2"x 1 1/4"x 12'x 17' RHAC  
 STROKE LENGTH: 64"  
 PUMP SPEED, SPM: 8  
 PUMPING UNIT SIZE: Cabot 114

4470'- 4484',Frac w/Halliburton on 4-21-67.  
 19,334 gals wtr w/10 lbs WAC8/1000 gals & 7000  
 lbs 10-20 mesh sd.,avg. 23.4 BPM @ 2970 psig,  
 ISIP @ 1900 psig,15 min @ 1050 psig.

LOGS: Bond Cement Log, Induction Electrical  
 Log, Borehole Compensated Sonic Log-  
 Gamma Ray.

4470'- 4484',Frac w/Halliburton on 6-26-81.  
 21,090 gals foam & 5273 gals oil w/21,000 lbs  
 20-40 mesh sd & 9000 lbs 10-20 mesh sd.,avg.  
 5 BPM @ 4500 psig,max 6.3 BPM @ 5450 psig,ISIP  
 @ 2810 psig,5 min @ 2400 psig,15 min @ 2170 psig.

EAST RED WASH FED #1-6  
NE SE Sec. 6, T8S, R25E  
Lease No. U-017439-B  
Coyote Basin Field  
Uintah County, Utah

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BALCRON OIL  
9-1-92

Wellbore Diagram

SURFACE CASING

8 5/8", J-55, 24#  
Six joints @ 194'  
Landed @ 206' KB  
Cemented w/175 sx  
~~Cemented to surface~~  
Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2", J-55, 14# & 15.5#  
35 jts, 14#, @ 1146.65'  
106 jts, 15.5#, @ 3478.07'  
Landed @ 4636' KB  
Cemented w/150 sx, 50-50 poz  
Cement Top @ 3700' from CBL  
Hole Size @ 7 7/8"

TUBING

2 3/8", J-55, 6.5#  
140 jts @ 4468'  
S.N. - 1.10' @ 4481' KB  
Perf Sub - 2 3/8" x 4'  
Mud Anchor - 2 7/8" x 32'  
String landed @ 4517' KB

SUCKER ROD RECORD

1-2' x 3/4" Pony  
178-3/4" Rods  
1-4' x 3/4" Pony  
1-1 1/2' x 22' Polished Rod

PUMP SIZE: 2" x 1 1/4" x 12' x 17' RHAC  
STROKE LENGTH: 64"  
PUMP SPEED, SPM: 8  
PUMPING UNIT SIZE: Cabot 114

ACID JOB

4470' - 4484', Western on 4-28-85.  
1000 gals 7.5% HCl & 1000 gals xylene,  
avg. 1 BPM @ 200 psig, max @ 1200 psig,  
ISIP @ 150 psig, 15 min @ 100 psig.

4470' - 4484', Dowell on 10-27-89.  
1000 gals 15% HCL, 25 BPM @ 1200 psig,  
Max 1500 psig, ISIP @ 300 psig.

FRAC JOB

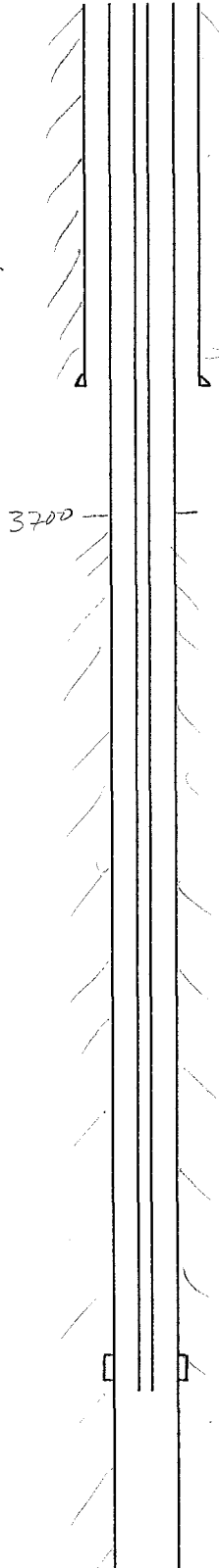
4470' - 4484', Frac w/Halliburton on 4-21-87.  
19,334 gals wtr w/10 lbs WAC8/1000 gals & 7000  
lbs 10-20 mesh sd., avg. 23.4 BPM @ 2970 psig,  
ISIP @ 1900 psig, 15 min @ 1050 psig.

4470' - 4484', Frac w/Halliburton on 6-26-81.  
21,090 gals foam & 5273 gals oil w/21,000 lbs  
20-40 mesh sd & 9000 lbs 10-20 mesh sd., avg.  
5 BPM @ 4500 psig, max 6.3 BPM @ 5450 psig, ISIP  
@ 2810 psig, 5 min @ 2400 psig, 15 min @ 2170 psig.

PERFORATION RECORD

4470' - 4484' (14' @ 1 SPF)

PBTD @ 4624' KB  
TD @ 4646' KB



BALCRON OIL

WELL REPORT

WELL NAME: East Red Wash Fed. #4-6  
 FIELD: Coyote Basin  
 FEDERAL LEASE NO.: U-017439-B  
 LOCATION: SW SE Sec.6,T8S,R25E  
 COUNTY/STATE: Uintah, UT  
 WORKING INTEREST: 1.00  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 8-14-67  
 INITIAL PRODUCTION: 115 STBOPD, 10 STBWPD  
 OIL/GAS PURCHASER: Amoco  
 PRESENT PROD STATUS: 6 STBOPD,3 MSCFPD,0.4 STBWP  
 ELEVATIONS - GROUND: 5570'  
 TOTAL DEPTH: 4555'KB

API NO.: 43-047-20261

NET REVENUE INT.: 0.845

SPUD DATE: 7-24-67  
 OIL GRAVITY: 35 API  
 BHT:  
 DATE: 10-12-92  
 KB: 5582'(12'KB)  
 PLUG BACK TD: 4535'KB

SURFACE CASING

STRING: 1  
 CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 193'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 205'KB  
 CEMENT DATA: 125 sx "Regular"  
 Cemented to surface.

PRODUCTION CASING

STRING: 1  
 CSG SIZE: 4 1/2"  
 GRADE: J-55  
 WEIGHT: 9.5#  
 LENGTH: 146 jts @ 4522'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 4535'KB  
 CEMENT DATA: 150 sx, Regular  
 CEMENT TOP AT: 3850' from CBL

TUBING RECORD

SIZE/GRADE/WT.: 2 3/8",J-55,4.7#  
 NO. OF JOINTS: 142 jts. LENGTH: 4410'  
 TUBING ANCHOR: None  
 SEATING NIPPLE: 1.10' @ 4413'KB  
 PERF. SUB: 2 3/8"x 3'  
 MUD ANCHOR: 2 3/8"x 32'  
 STRING LANDED AT: 4448'KB

PERFORATION RECORD

4443'- 4449'(6' @ 2 SPF)  
 4463'- 4471'(8' @ 4 SPF)

SUCKER ROD RECORD

176-3/4"x 25' Rods  
 1-3/4"x 2' Pony Rod  
 1-1 1/4"x 29' Polished Rod

PUMP SIZE: 2"x 1 1/4"x 15' RHBC  
 STROCK LENGTH: 73 1/2"  
 PUMP SPEED, SPM: 6 1/2  
 PUMPING UNIT SIZE: Cabot 228

ACID JOB

4443'- 4449',Newsco on 12-14-82.  
 1000 gal 7.5% HCl & 1000 gal xylene.  
 3.1 BPM @ 1880 psig,max 3.3 BPM @ 1960  
 psig,ISIP @ 860 psig,15 min @ 500 psig.

4463'- 4471',Western on 4-14-92.  
 500 gal 15% HCL,avg. 2.4 BPM @ 1000 psig,  
 max. 4.5 BPM @ 3000 psig.

FRAC JOB

4443'- 4449',Frac w/Halliburton on 8-8-67.  
 18,000 gals wtr w/20 lbs W/1000 gals & 5 lbs  
 CWI/1000 gals, & 10,000 lbs 10-20 sd, Avg 22.4  
 BPM @ 3000 psig, ISIP @ 2000 psig, 15min @  
 1600 psig.

LOGS: Natural Gamma Spectrometry Tool,Induction Electric Log,Compensated Sonic.

EAST RED WASH FED. #4-6  
SW SE Sec.6,T8S,R25E  
Lease No. U-017439-B  
Coyote Basin Field  
Unitah County,Utah

BALCRON OIL  
10-12-92

# Wellbore Diagram

## SURFACE CASING

8 5/8",J-55,24#  
Length @ 193'  
Landed @ 205'KB  
Cemented w/125 sx, Regular  
Cemented to surface.  
Hole Size @ 12 1/4"

## PRODUCTION CASING

4 1/2",J-55,9.5#  
146 joints @ 4522'  
Landed @ 4535'KB  
Cemented w/150 sx, Regular  
Cement Top @ 3850' from CBL  
Hole Size @ 7 7/8"

## TUBING

2 3/8",J-55,4.7#  
142 joints @ 4413'KB  
S.N. - 1.10' @ 4413'KB  
Perf Sub - 2 3/8"x 3'  
Mud Anchor - 2 3/8"x 32'  
String landed @ 4448'KB

## SUCKER ROD

176-3/4"x 25' Rods  
1-3/4"x 2' Pony Rod  
1-1 1/4"x 29' Polished Rod  
PUMP SIZE: 2"x 1 1/4"x 15' RHBC  
STROCK LENGTH: 73 1/2"  
PUMP SPEED, SPM: 6 1/2  
PUMPING UNIT SIZE Cabot 228

## ACID JOB

4443'- 4449',Nowsco on 12-14-82.  
1000 gal 7.5% HCl & 1000 gal xylene.  
3.1 BPM @ 1880 psig,max 3.3 BPM @ 1960  
psig,ISIP @ 860 psig,15 min @ 500 psig.

4463'- 4471',Western on 4-14-92.  
500 gal 15% HCL,avg. 2.4 BPM @ 1000 psig,  
max. 4.5 BPM @ 3000 psig.

## FRAC JOB

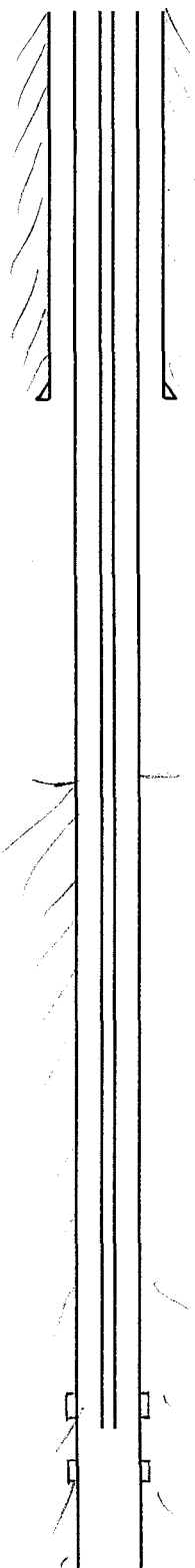
4443'- 4449',Frac w/Halliburton on 8-8-67.  
18,000 gals wtr w/20 lbs W/1000 gals & 5 lbs  
CWI/1000 gals, & 10,000 lbs 10-20 sd, Avg 22.4  
BPM @ 3000 psig, ISIP @ 2000 psig, 15min @  
1600 psig.

3850

## PERFORATION RECORD

4443'- 4449'(6'@ 2 SPF)  
4463'- 4471'(8'@ 4 SPF)

PBTD @ 4535' KB  
TD @ 4555' KB



## BALCRON OIL

## WELL REPORT

WELL NAME: Coyote Basin #32-6  
 FIELD: Coyote Basin  
 FEDERAL LEASE NO.: U-020309D  
 LOCATION: SW NE Sec.6,T8S,R25E  
 COUNTY/STATE: Uintah,Utah  
 WORKING INTEREST: 1.00  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 5-16-88  
 INITIAL PRODUCTION: Completed as a gas well.  
 OIL/GAS PURCHASER: NA  
 PRESENT PROD STATUS: Converted to WSW.  
 ELEVATIONS - GROUND: 5596'  
 TOTAL DEPTH: 4790'KB

API NO.: 43-047-31835

NET REVENUE INT.: 0.845

SPUD DATE: 3-6-88  
 OIL GRAVITY: N/A  
 BHT: 99 Deg.F  
 DATE: 10-12-92  
 KB: 5609.8'(13.8'KB)  
 PLUG BACK TD: 4750'KB

## SURFACE CASING

STRING: 1  
 CSG SIZE: 8 5/8"  
 GRADE: K-55  
 WEIGHT: 24 lbs.  
 LENGTH: 276'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 290'KB  
 CEMENT DATA: 180 sx, Class "G"  
 Cement to surface.

## PRODUCTION CASING

STRING: 1  
 CSG SIZE: 5 1/2"  
 GRADE: K-55  
 WEIGHT: 15.5 lbs.  
 LENGTH: 4779'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 4793'KB  
 CEMENT DATA: 210 sx Thicsomopic  
 100 sx Class "H"  
 CEMENT TOP AT: 1st stage @ 2900' from CBL  
 2nd stage @ 2040' from CBL

## TUBING RECORD

SIZE/GRADE/WT.: 2 7/8",J-55,6.5#  
 NO. OF JOINTS: 104 jts. LENGTH: 3179'  
 TUBING ANCHOR: None  
 Tubing Pump Barrel: 2 7/8"x 25.70'  
 SEATING NIPPLE: 1.10' landed @ 3219.5'KB  
 MUD ANCHOR: 2 7/8"x 24'  
 STRING LANDED AT: 3243.5'KB

## PERFORATION RECORD

4604'- 4615'(11' @ 4 SPF)  
 4582'- 4588'(6' @ 4 SPF)  
 4434'- 4440'(6' @ 4 SPF)  
 PB w/CIBP set @ 4530'KB  
 PB w/CIBP set @ 4350'KB  
 3108'- 3154' (46' @ 4 SPF) Water Zone

## ACID JOB

4582'- 4588',Smith Energy on 5-14-88.200 gal  
 7.5% HCl,avg,0.5 BPM @ 3009 psig,no fluid entry.  
 ISIP @ 1150 psig,5 min @ 910 psig,10 min @ 800  
 psig,15 min 730 psig.  
 4434'- 4440',Smith Energy on 5-17-92.2000 gal  
 15% HCl,avg. 8 BPM @ 4000 psig,ISIP @ 1900 psig,  
 15 min @ 1070psi.  
 3108'- 3154',Acidize w/Western on 5-5-92,2000  
 gals 15% HCl acid,drop 150 ball sealers,avg.  
 3 BPM @ 1200 psig,max. 4.5 BPM @ 1500 psig,good  
 breakback when balls hit perms,displace w/  
 18 STBW,ISIP @ 500 psig,5 min @ 300 psig,10 min  
 @ 200 psig,15 min @ 200 psig.

## SUCKER ROD RECORD

1 - 1 1/4"x 22' Polish Rod  
 119 - 7/8"x 25' Rods w/ 2.5" guides  
 6 - 1"x 25' Rods w/2.5" guides  
 1 - 3/4"x 2' Pony  
 1 - 2 1/4"x 4' Martin Ring Plunger  
 1 - Standing Valve

PUMP SIZE: 2 1/4"x 25.7' Tubing pump  
 STROKE LENGTH: 120"  
 PUMP SPEED, SPM: 8  
 PUMPING UNIT SIZE: Lufkin C320D-256-120

## LOGS: Dual Induction Focused Log Gamma Ray, Cement Bond Log/VDL

Frachite Digital Sonic, Computed 4-ARM Diplog, Diplog,  
 Digital sonic-Long Linear Array,Compensated Z-Densilog  
 Compensated Neutron Gamma Ray



COYOTE BASIN #32-6  
SW NE Sec. 6-8S-25E  
Lease No. U-020309D  
Coyote Basin Field  
Uintah County, Utah

Wellbore Diagram

BALCRON OIL  
10-12-92

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SURFACE CASING

8 5/8", K-55, 24#  
Length - 276'  
Landed @ 290' KB  
Cemented w/ 180 sx, Class-G  
Cemented to surface  
Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2", K-55, 15.5#  
Length - 4779'  
Landed @ 4793' KB  
Hole Size @ 7 7/8"  
Cemented w/ 210 sx Thicsonopic &  
100 sx Class "H"  
Cement top: 1st Stage-3900' from CBL  
2nd Stage-2040' from CBL

TUBING

2 7/8", J-55, 6.5#  
104 jts @ 3179'  
Tbg Pump Barrel - 2 7/8" x 25.70'  
S.N. - 1.1' landed @ 3219.5' KB  
Mud Anchor - 2 7/8" x 24'  
String landed @ 3243.5' KB

SUCKER ROD RECORD

1 - 1 1/4" x 22' Polish Rod  
119 - 7/8" x 25' Rods w/ 2.5" guides  
6 - 1" x 25' Rods w/ 2.5" guides  
1 - 3/4" x 2' Pony  
1 - 2 1/4" x 4' Martin Ring Plunger  
1 - Standing Valve

PUMP SIZE: 2 1/4" x 25.7' Tubing pump  
STROKE LENGTH: 120"  
PUMP SPEED, SPM: 8  
PUMPING UNIT SIZE: Lufkin C320D-256-120

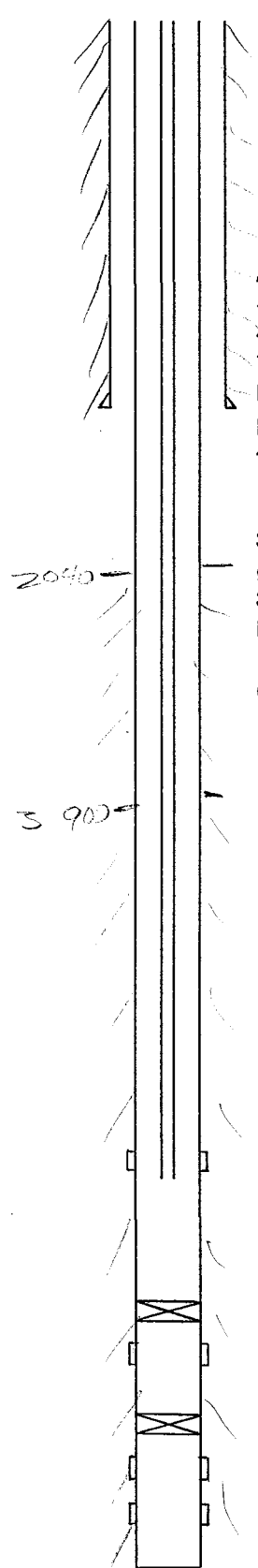
ACID JOB

4582'- 4588', Smith Energy on 5-14-88, 200 gal  
7.5% HCl, avg. 0.5 BPM @ 3009 psig, no fluid entry.  
ISIP @ 1150 psig, 5 min @ 910 psig, 10 min @ 800  
psig, 15 min 730 psig.  
4434'- 4440', Smith Energy on 5-17-92, 2000 gal  
15% HCl, avg. 8 BPM @ 4000 psig, ISIP @ 1900 psig,  
15 min @ 1070 psi.  
3108'- 3154', Acidize w/ Western on 5-5-92, 2000  
gals 15% HCl acid, drop 150 ball sealers, avg.  
3 BPM @ 1200 psig, max. 4.5 BPM @ 1500 psig, good  
breakback when balls hit perms, displace w/  
18 STBW, ISIP @ 500 psig, 5 min @ 300 psig, 10 min  
@ 200 psig, 15 min @ 200 psig.

PERFORATION RECORD

4604'- 4615' (11' @ 4 SPF)  
4582'- 4588' (6' @ 4 SPF)  
4434'- 4440' (6' @ 4 SPF)  
PB w/ CIBP set @ 4530' KB  
PB w/ CIBP set @ 4350' KB  
3108'- 3154' (46' @ 4 SPF) Water Zone

PBTD: 4750' KB  
TD: 4790' KB



BALCHON OIL

WELL REPORT

WELL NAME: Coyote Basin #21-7  
 FIELD: Coyote Basin  
 FEDERAL LEASE NO.: U-41377  
 LOCATION: NE NW Sec.7,T8S,R25E  
 COUNTY/STATE: Uintah, UT  
 WORKING INTEREST: 0.21025  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 11-23-85  
 INITIAL PRODUCTION: 62 STBOPD,35 MSCFPD,10 STBW  
 OIL/GAS PURCHASER: Amoco  
 PRESENT PROD STATUS: 19 STBOPD,10 MSCFPD,0.6 STBW  
 ELEVATIONS - GROUND: 5551'  
 TOTAL DEPTH: 4550'KB  
 API NO.: 43-047-316673  
 NET REVENUE INTERES 0.1736898  
 SPUD DATE: 10-19-85  
 OIL GRAVITY: 34 API  
 BHT:  
 DATE: 10-12-92  
 KB: 5563'(12'KB)  
 PLUG BACK TD: 4502'KB

SURFACE CASING

STRING: 1  
 SIZE: 8 5/8"  
 GRADE: K-55  
 WEIGHT: 24#  
 LENGTH: 258'  
 DEPTH LANDED: 270'KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: Cemented to surface

PRODUCTION CASING

STRING: 1  
 SIZE: 5 1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 4538'  
 DEPTH LANDED: 4550'KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 340 sxs Class "H"  
 CEMENT TOP AT: 1700' from CBL

TUBING RECORD

SIZE/GRADE/WT.: 2 7/8",J-55,6.5#  
 NO. OF JOINTS: 135 jts. LENGTH: 4365'  
 TUBING ANCHOR: 2 7/8"x 5 1/2"x 3'  
 SEATING NIPPLE: 1.10' @ 4381'KB  
 PERF. SUB: 2 7/8"x 3'  
 MUD ANCHOR: 2 7/8"x 25'  
 STRING LANDED AT: 4409'KB

PERFORATION RECORD

4403'- 4407'(4'@ 4 SPF)  
 4412'- 4416'(4'@ 4 SPF)

SUCKER ROD RECORD

4 - 1 1/2" Wt. Rods  
 170 - 3/4" Plain Rods  
 1 - 4'x 3/4" Pony  
 1 - 22'x 1 1/2" Polish Rod

PUMP SIZE: 2 1/2"x 1 1/2"x 16' THD  
 STROKE LENGTH: 63"  
 PUMP SPEED, SPM: 8.5  
 PUMPING UNIT SIZE: Bethlehem 160D-205-64

FRAC JOB

4403'- 4416',Frac w/Dowell on 11-20-85.  
 17,400 gals gelled water w/31,000 lbs.  
 20-40 mesh sand & 15,000 lbs 10-20 mesh sand.

LOGS: Cement Bond Log,Dual Induction,Compensated Neutron/Density

COYOTE BASIN FED. #21-7  
NE NW Sec. 7, T8S, R25E  
Lease No. U-41377  
Coyote Basin Field  
Uintah County, Utah

BALCRON OIL  
10-12-92

# Wellbore Diagram

## SURFACE CASING

8 5/8", K-55, 24#  
Landed @ 270' KB  
Cemented to surface  
Hole Size - 12 1/4"

## PRODUCTION CASING

5 1/2", K-55, 15.5#  
Landed @ 4550' KB  
Cemented w/340 sxs Class "H"  
Cement Top @ 1700' from CBL  
Hole Size - 7 7/8"

## TUBING

2 7/8", J-55, 6.5#  
135 jts @ 4365'  
Tubing Anchor - 2 7/8" x 5 1/2" x 3'  
S.N. - 1.10' @ 4378' KB  
Perf Sub - 2 7/8" x 3'  
Mud Anchor - 2 7/8" x 25'  
String landed @ 4409' KB

## SUCKER ROD

4 - 1 1/2" Wt. Rods  
170 - 3/4" Plain Rods  
1 - 4' x 3/4" Pony  
1 - 22' x 1 1/2" Polish Rod

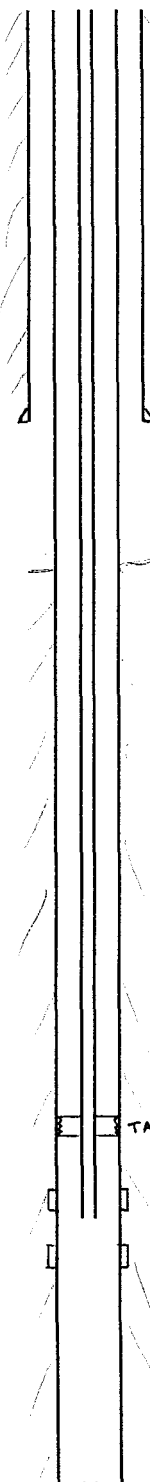
PUMP SIZE: 2 1/2" x 1 1/2" x 16' THD  
STROKE LENGTH: 63"  
PUMP SPEED, SPM: 8.5  
PUMPING UNIT SIZE Bethlehem 160D-205-64

## FRAC JOB

4403' - 4416', Frac w/Dowell on 11-20-85.  
17,400 gals gelled water w/31,000 lbs.  
20-40 mesh sand & 15,000 lbs 10-20 mesh sand.

## PERFORATION RECORD

4403' - 4407' (4' @ 4 SPF)  
4412' - 4416' (4' @ 4 SPF)  
32 holes total



PBTD @ 4502' KB

TD @ 4550' KB

## BALCRON OIL

## WELL REPORT

WELL NAME: Balcron Coyote Fed. #31-7  
 FIELD: Coyote Basin  
 FEDERAL LEASE NO.: U-020309-D  
 LOCATION: NW SE Sec.7,T8S,R25E  
 COUNTY/STATE: Uintah County, Utah  
 WORKING INTEREST: 1.0  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 9-25-92  
 INITIAL PRODUCTION: 20 STBOPD,10 MSCFPD,10 STBWP  
 OIL/GAS PURCHASER: Amoco  
 PRESENT PROD STATUS: 20 STBOPD,10 MSCFPD,10 STBWP  
 ELEVATIONS - GROUND: 5540'  
 TOTAL DEPTH: 4525'KB

API NO.: 43-047322-54

NET REVENUE INT.: 0.845

SPUD DATE: 8-24-92  
 OIL GRAVITY: 34 API  
 BHT: 117 Deg.F  
 DATE: 10-11-92  
 KB: 5550'(10'KB)  
 PLUG BACK TD: 4467'KB

## SURFACE CASING

STRING: 1  
 CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 lbs  
 LENGTH: 256'  
 DEPTH LANDED: 266'KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 190 sxs Class "G"  
 Cement to surface

## PRODUCTION CASING

STRING: 1  
 CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.50 lbs  
 LENGTH: 4517'  
 DEPTH LANDED: 4507'KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 155 sxs Class "G"  
 95 sxs 50/50 Poz.  
 CEMENT TOP AT: 2500'KB from CBL

## TUBING RECORD

SIZE/GRADE/WT.: 2 7/8",J-55,6.4#  
 NO. OF JOINTS: 133 jts LENGTH: 4281'  
 TUBING ANCHOR: None  
 SEATING NIPPLE: 1.1' landed @ 4292'KB  
 PERF. SUB: 2 7/8"x 4'  
 MUD ANCHOR: 2 7/8"x 31'  
 PACKER: None  
 STRING LANDED AT: 4327'KB

## SUCKER ROD RECORD

6 - 1"x 25' Rods w/2 1/2" Riton Guides  
 164 - 3/4"x 25' Slick Rods  
 1 - 3/4"x 8' Pony  
 1 - 3/4"x 6' Pony  
 1 - 3/4"x 4' Pony  
 1 - 1 1/4"x 16' Polish Rod

PUMP SIZE: 2 1/2"x 1 1/4"x 14 1/2' RHAC  
 STROKE LENGTH: 64"  
 PUMP SPEED, SPM: 4  
 PUMPING UNIT SIZE: Lufkin 114

## PERFORATION RECORD

4226'- 4238' (12' @ 2 SPF)  
 Squeezed off above perforations  
 4330'- 4332' (2'w/3 Shots)  
 4371'- 4373' (2'w/3 Shots)  
 4387'- 4388' (1'w/3 Shots)  
 4402'- 4405' (3'w/6 Shots)

## WELL TREATMENTS

4226'- 4238', Acidize w/Western on 9-21-92.  
 500 gals 15% HCl, max press 1900 psig, avg  
 rate 2.3 BPM, ISIP @ 1700 psig, 5 min @ 1410  
 psig, 10 min @ 1180 psig, 15 min @ 800 psig.

4330'- 4405', Break down & ball off w/Western  
 on 9-14-92. Pump 34.5 bbls, ball off, surge  
 back, pump 7.8 bbls, ball off, surge back, pump  
 69 bbls total, Inj. rate 5.3 BPM, ISIP @ 1400  
 psig, 5 min @ 1100 psig.

4330'- 4405', Frac w/Western on 9-15-92.  
 239 bbls gel w/28,500 lbs 20-40 mesh sd.,  
 avg 25.8 BPM @ 2600 psig, max @ 3400 psig,  
 ISIP @ 1700 psig, 15 min @ 1040 psig.

LOGS: Cement Bond & Gamma-Ray & Collar Log, Natural Gamma Ray Spectrometry Log,  
 Dual Induction-SFL, Compensated Neutron-Formation Density,  
 Compensated Neutron/Litho-Density w/Gamma Ray, Phasor Induction-SFL w/Gamma Ray.

BALCRON COYOTE FED. #31-7  
NW SE Sec.7,T8S,R25E  
Lease No. U-020309-D  
Coyote Basin Field  
Unitah County,Utah

BALCRON OIL  
10-11-92

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Wellbore Diagram

SURFACE CASING

8 5/8",J-55,24#  
Length - 256'  
Landed @ 266'KB  
Cemented w/190 sxs Class "G"  
Cemented to surface.  
Hole Size - 12 1/4"

PRODUCTION CASING

5 1/2",J-55,15.50#  
Length - 451'  
Landed @ 4507'KB  
Cemented w/155 sxs Class "G" &  
95 sxs 50/50 Poz  
Cement Top @ 2500'KB from CBL  
Hole Size - 7 7/8"

TUBING

2 7/8",j-55,6.4#  
133 jts @ 4281'  
S.N. - 1.1' landed @ 4292'KB  
Perf Sub - 4' x 2 7/8"  
Mud Anchor - 31' x 2 7/8"  
String landed @ 4327'KB

SUCKER ROD RECORD

6 - 1"x 25' Rods w/2 1/2" Riton Guides  
164 - 3/4"x 25' Slick Rods  
1 - 3/4"x 8' Pony  
1 - 3/4"x 6' Pony  
1 - 3/4"x 4' Pony  
1 - 1 1/4"x 16' Polish Rod

PUMP SIZE: 2 1/2"x 1 1/4"x 14 1/2' RHAC  
STROKE LENGTH: 64"  
PUMP SPEED, SPM: 4  
PUMPING UNIT SIZE Luffkin 114

WELL TREATMENTS

4226'- 4238', Acidize w/Western on 9-21-92.  
500 gals 15% HCl, max press 1900 psig, avg  
rate 2.3 BPM, ISIP @ 1700 psig, 5 min @ 1410  
psig, 10 min @ 1180 psig, 15 min @ 800 psig.

4330'- 4405', Break down & ball off w/Western  
on 9-14-92. Pump 34.5 bbls, ball off, surge  
back, pump 7.8 bbls, ball off, surge back, pump  
69 bbls total, Inj. rate 5.3 BPM, ISIP @ 1400  
psig, 5 min @ 1100 psig.

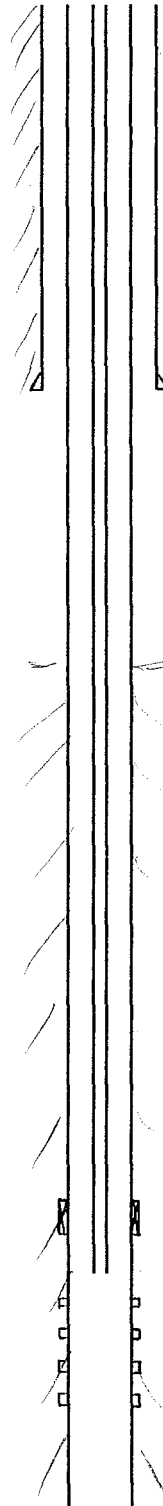
4330'- 4405', Frac w/Western on 9-15-92.  
239 bbls gel w/28,500 lbs 20-40 mesh sd.,  
avg 25.8 BPM @ 2600 psig, max @ 3400 psig,  
ISIP @ 1700 psig, 15 min @ 1040 psig.

2500'

PERFORATION RECORD

4226'- 4238' (12' @ 2 SPF)  
Squeezed off above perforations  
4330'- 4332' (2' w/3 Shots)  
4371'- 4373' (2' w/3 Shots)  
4387'- 4388' (1' w/3 Shots)  
4402'- 4405' (3' w/6 Shots)

PBTD @ 4467'KB  
TD @ 4525'KB



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Wrights Well Data System CD-ROM  
Copyright 1991 Rocky Mountains  
H# R-845216-0 Original  
Run Date: 5-Jan-80

State : Utah SL Merid 8S - 25E - 5 SW SW

County: UINTAH Oper: DIAMOND SHAMROCK EXPL CO

Field : COYOTE BASIN Compl: 02/04/1968 D D P&A

Well: EAST RED WASH FEDERAL #3-5 Last Info: 05/22/1983

Log: 760 fsl 658 fwl  
Operator Address: Box 631, Amarillo TX 79105  
Permit #: 01/22/1968 API: 43-047-3000200  
Elev: 5504KB

Spud: 01/27/1968  
D: 4445

Elev: 5504KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, T=Govt, S=Shell, G=USGS, N=NDGS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Green River	1722	3782	L T	Wasatch tongue	4202	1302	L T
Basal Green River	3372	2132	L T	Wasatch	4430	1074	L T
Douglas Creek	3756	1748	L T				

<< State Records >>  
Casing: 8 5/8 @ 208 w/250  
Core : None  
Log : IES BHC GR Sonic C

PLUG  
4380 - 4400 20 SX  
1680 - 1780 20 SX  
-180 - 220 35 SX  
10 SX @ SURF.

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State : Utah SL Merid 8S - 25E - 6 sw nw  
County: Uintah Oper: Shamrock Oil & Gas Co  
Field : Coyote Basin Compl: 08/19/1967 D D P&A  
Well: East Red Wash Federal #3-6 Last Info: 05/22/1983  
Log: 2077 fml 681 fwl  
Obj: Permit #: 07/28/1967 API: 43-047-2027000  
Elev: 5562KB

Spud: 08/07/1967  
D: 4680  
Elev: 5562KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout,T=Govt,S=Shell,G=USGS,N=NDGS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Green River	1938	3624	L T	Douglas Creek	4036	1526	L T
Basal Green River	3655	1907	L T	Wasatch tongue	4488	1074	L T

<< State Records >>  
Casing: 8 5/8 @ 210 w/125  
Core : None  
OST : #1 4436- 4447  
op 30 si 30 op 120 si 150. If op w/GTS/25 min. Rec 100 ft  
G&OCM 260 ft G&OCW. HP 2275 FP 38-187 SIP 1550-1625  
IES BHCS GRC  
Journl: 9-26-69 proposed program for water disposal by P.W.B.

4560-90 20 SX  
1860-1930 20 SX  
-180 - 260 35 SX  
- S&RF 10 SX

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State : Utah SL Merid 8S - 25E - 6 SW SW

County: UINTAH

Oper: COTTON PETROLEUM CORP

Field : COYOTE BASIN

Compl: 01/02/1984 D D P&A

Well: COYOTE BASIN #14-6X

Last Info: 01/04/1986

Fig: 690 fsl 820 fwl

Obj: 4640 Green River

Permit #:

01/06/1984

API: 43-047-3143500

Elev: 5567GR

Spud: 12/17/1983

TD: 4714 on 12/31/1983

Green River

Elev: 5567GR

FORMATION TOPS

(Type: L=Log S=Sample V=True Vertical)

(Source: H=Scout,T=Govt,S=Shell,G=USGS,N=NDGS)

Formation

Depth

Elev T/S

Formation

Depth

Elev T/S

Green River

1800

3767 L H

Douglas Creek

3850

1717 L H

Notes : (Replaces Coyote Basin 14-6 which was plugged & abandoned due to bad hole conditions)

Casing: 8 5/8 @ 250  
W/140

Core :

None

OST :

None

Journl: 4/9/84 plugged & abandoned.

CEMENT PLUGS

4050-3850

2000-1800

350-150

405X @ SURF



State : Utah SL Merid 7S - 25E - 31 sw se

County: UINTAH Oper: T X O PRODUCTION CORP

Field : COYOTE BASIN Compl: 08/24/1984 D D P&A

Well: COYOTE BASIN FEDERAL #A-1 Last Info: 07/14/1988

Log: 660 fsl 1983 fel  
 Oper Address: 1660 Lincoln, Ste. 1800, Denver CO 80264 - 303/861-4246  
 Obj: 4900 Wasatch Permit #: 12/27/1983 API: 43-047-3143000  
 Elev: 5629KB

Spud: 02/18/1984 Contr: CRC #75  
 ID: 4887 on 03/07/1984 Wasatch PB: 4590

Elev: 5629KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
 (Source: H=Scout,T=Govt,S=Shell,G=USGS,N=NDGS)

Formation	Depth	Elev T/S	Formation	Depth	Elev T/S
Green River mkr	4573	1056 L H	Wasatch	4853	776 L H
Coyote Basin field p	4684	945 L H			

Notes : (Evaluating for possible salt water disposal well)  
 Casing: 9 5/8 @ 322 w/200  
 - 4 1/2 @ 4876 w/450

Core : None  
 DST : #1 4562- 4655 (Green River )  
 op 30 si 60 op 60 si 120. IF op w/10 in  
 blo, incr to btm of bkt/5 min & held; FF op w/wk blo, incr to 8 in/8  
 min, decr to 5 in @ end. Rec 2018 ft VSOCM&W. HP 2053-2136 FP 61-453  
 453-544  
 SIP 1505-1535 BHT 120 F (Btm pkrs failed on IFP)

Logs : CDL-CNL-GR DIL-SP  
 Perfs : 4659-4717  
 @ 4659 60 61 4717 19 21 23 25 27 w/9 holes total - rec wtr w/tr oil,  
 final oil cut 5%, no gas

4614-4662  
 @ 4658-4662 4614-4620 w/13 holes total - frac 4614-4661 w/30,000 gal  
 fluid 500# 10/20 sd 500 gal 3% KCl wtr - swbd 6 BO 35 BLW/44 runs --  
 3374-3378

w/10 holes 3360-3336 w/14 holes  
 Journl: 2/27/84 spudded well.  
 3/5/84 set surf csg; drlg ahead.  
 6/21/84 temporarily abandoned.  
 10/1/84 plugged & abandoned.

CIBP @ 4600' w/2 SX  
 CIBP @ 3600 w/2 SX  
 CUT OFF CASING @ 1400  
 1300-1500 w/4 SX  
 230 - 430 w/70 SX  
 60' - surf w/30 SX



Exhibit - C  
Perforation Intervals For  
Injection And Production Wells  
Coyote Basin Pilot Waterflood

Well Name	Perforation Interval
Two Oil Wells Proposed For Conversion To Water Injection.	
Coyote Federal #42-6X	4527'- 4535', 4546'- 4548', 4556'- 4574'
East Redwash Fed. #4-6	4443'- 4449', 4463'- 4471'
Four Oil & Gas Wells.	
Coyote Federal #12-5	4552'- 4556'
Coyote Federal #31-7	4430'- 4432', 4371'- 4373', 4387'- 4388', 4402'- 4405'
East Redwash Fed. #1-6	4470'- 4484'
Coyote Basin Fed. #21-7	4403'- 4407', 4412'- 4416'
One Shut In Oil Production Well.	
East Redwash Fed. #2-5	4563'- 4567', 4606'- 4610', 4613'- 4618'
One Water Supply Well.	
Coyote Basin Fed. #32-6	3108'- 3154' Open 4604'- 4615', 4582'- 4588', 4434'- 4440' Plugged Back



2060 SOUTH 1500 EAST  
VERNAL, UTAH 84078

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Telephone (801) 789-4327

EXHIBIT - D  
WATER ANALYSIS REPORT

Report for: John Zellitti  
cc for: Steve Hanberg  
cc for:  
cc for:  
Company: Balcron Oil  
Address: P. O. Box 21017 Billings Montana 59104  
Service Engineer: Mike Angus  
Date Sampled: 9-11-92  
Date Reported: 9-11-92  
Location: East Red Wash 1-6  
County: Uintah  
State: Utah  
Submitted by: Mike Angus  
Other Info: - Produced Water Sample From The Green River Formation.

Chemical Component	mg per liter	meq per liter
Chloride (Cl) =	8200.	231.3
Iron (Fe) =	0.7	
Total Hardness (CaCO3) =	200.	
Calcium (Ca) =	50.	2.5
Magnesium (Mg) =	19.	1.5
Bicarbonate (HCO3) =	1415.	23.2
Carbonate (CO3) =	96.	3.2
Sulfate (SO4) =	1.	0.0
Hydrogen Sulfide (H2S) =	94	
Barium (Ba) =	38.6	
Sodium (Na) (calc.) =	5820.	253.1
Specific Gravity =	1.016	
Density (lb/gal) =	8.46	
pH (by meter) =	8.2	
Dissolved CO2 (mg/l) =	0.	

OTHER DESCRIPTION, REMARKS AND RECOMMENDATIONS

Scaling Index at 68 degrees F = +0.72  
Scaling Index at 86 degrees F = +0.96  
Scaling Index at 122 degrees F = +1.37  
Scaling Index at 158 degrees F = +1.88

Total dissolved solids (calculated) = 15638. mg per liter

Reported by

*William Curry*  
William Curry

Lab Technician

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Exhibit - E  
Coyote Basin Pilot Waterflood  
Fracture Pressure Data

Well Name	Average Rate (BPM)	Average Pressure (PSIG)	Initial Shut In Pressure (PSIG)	Average Depth (FEET)	Fracture Gradient (PSIG/FT)
East Redwash #1-5	36.0	3400	1800	4498	0.839
East Redwash #2-5	36.0	3400	1500	4557	0.768
Coyote Fed.#12-5	25.0	2300	1470	4554	0.761
Coyote Fed.#21-5	35.5	2500	1930	4558	0.862
East Redwash #1-6	23.4	2970	1900	4477	0.863
East Redwash #4-6	22.4	300	2000	4446	0.888
Coyote Fed.#42-6X	35.0	1770	1800	4551	0.834
Coyote Fed.#13-7	33.0	2250	2000	4367	0.896
Coyote Fed.#22-7	35.0	1800	1580	4350	0.802
Coyote Fed.#31-7	25.5	2600	1700	4367	0.828
USA Guinland #1	31.0	3400	1800	4372	0.850
East Redwash #1-12	23.0	2400	1900	4480	0.862
Coyote Basin #43-12	6.0	5050	2200	4146	0.969
	20.0	1700	1800	4376	0.850
East Redwash #1-13	25.0	1700	600	4146	0.583
	23.0	2300	1600	4254	0.814
Coyote Basin #12-13	20.0	1950	1700	4206	0.843

Note: Fracture Gradient = (ISIP + 0.43836 psig/ft \* Depth) / Depth  
The hydrostatic head is calculated using 2% KCl water which was used as the displacing fluid after the frac.

Average Fracture Gradient = 0.830 psig/ft.



2060 SOUTH 1500 EAST  
VERNAL, UTAH 84078

Telephone (801) 789-4327

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EXHIBIT - F

October 12, 1992

John Zellitti  
Balcron Oil  
P.O. Box 21017  
Billings, Montana 59104

Ref: Packer Fluid for Coyolte Basin Field

Dear Sir,

Champion Technologies, Inc., would like to recommend that you use Cortron R-2383 as a packer fluid in your Monument Buttes field. Its recommended treatment levels are from 0.5% to 2%. It is appropriate for either fresh water or brines. Cortron R-2383 contains two corrosion inhibitors: (1) a derivatized hexyl amine and (2) a quaternary ammonium compound. A catalyzed amine bisulfite oxygen scavenger is also included in R-2383. Sufficient methanol has been added to give the product a pour point of -40 degrees F.

If you have any questions or comments, please call Mike at the Vernal office of Champion Technologies.

Respectfully,

A handwritten signature in cursive script that reads "William Curry".

for Mike Angus  
District Manager

7/20/92 MATERIAL SAFETY DATA SHEET TIME 17.02.15  
\*\*\*\*\* SECTION I - PRODUCT CODE 10977 \*\*\*\*\*  
CHAMPION TECHNOLOGIES, INC. EMERGENCY TELEPHONE NO. 43  
3130 FM 521 FRESNO, TEXAS 77545 713/431-2561 1/800/424-9300  
PO BOX 450499 HOUSTON, TEXAS 77245

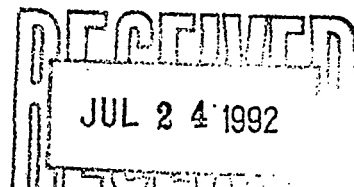
PRODUCT NAME: CORTRON R-2383  
CHEMICAL FAMILY: Quaternary Amines

FORMULA: Proprietary

\*\*\*\*\* SECTION II - HAZARDOUS INGREDIENTS \*\*\*\*\*

MATERIALS	%	TLV UNITS	MATERIALS	%	TLV UNITS
# Methanol (67-56-1)	25	200ppm	# Ammonium Bisulfite	5	ND
Isopropanol (67-63-0)	5	400ppm			

RQ=20,000 lbs RQ=2,420 gals



\*\*\*\*\* SECTION III - PHYSICAL DATA \*\*\*\*\*

BOILING POINT	ND	SPECIFIC GRAVITY	0.993
VAPOR PRESSURE	ND	% VOLATILE BY VOLUME	ND
VAPOR DENSITY	ND	EVAPORATION RATE	ND
pH	7.7	Viscosity	17 cps

SOLUBILITY IN WATER: Soluble CARCINOGEN: NO  
APPEARANCE AND ODOR: Dark brown liquid with alcohol odor

\*\*\*\*\* SECTION IV - FIRE AND EXPLOSION HAZARD DATA \*\*\*\*\*

FLASH POINT 74 F (PMCC) FLAMMABLE LIMITS -- LEL 6 UEL 36  
EXTINGUISHING MEDIA: YES- FOAM YES- DRY CHEMICAL YES- CARBON DIOXIDE  
YES- WATER SPRAY (FOG)

Flammable limits based on Methanol  
SPECIAL FIRE FIGHTING PROCEDURES:  
Flammable materials may be ignited by heat, sparks or flames. Vapors may travel to a source of ignition and flash back. Containers may explode in heat or fire. Vapor explosion hazard indoors/outdoors or in sewers. Runoff to sewer may create a fire or explosion hazard.  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
None

\*\*\*\*\* TRANSPORTATION DATA \*\*\*\*\*

TRANSPORTATION HAZARD CLASS: 3.3  
LABEL REQUIRED: Flammable # 27  
PROPER SHIPPING NAME: Alcohols, N.O.S., 3.3, UN 1987, PG III  
(Methanol, Isopropanol)  
ID NUMBER: UN 1987

# Denotes an ingredient listed in SARA Title III, Section 313

SARA Title III Hazard Categories: 1, 3,

Hazard Rating Scale: FIRE 3 REACTIVITY 0 HEALTH 2  
4 Severe 3 Serious 2 Moderate 1 Slight 0 Minimal

NA = Not Applicable ND = No Data Available NE = Not Established

REVISION DATES: 7/07/92 7/11/91 7/26/90 2/22/88

Champion Technologies Modified Form OSHA-20

## \*\*\*\*\* SECTION V - HEALTH HAZARD DATA \*\*\*\*\*

THRESHOLD LIMIT VALUE: NE

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## EFFECTS OF OVEREXPOSURE:

May be hazardous if inhaled, ingested or absorbed through the skin. Vapors may cause dizziness or suffocation. Contact may irritate or burn skin and eyes.

## EMERGENCY AND FIRST AID PROCEDURES:

Move victim to fresh air and call emergency medical care. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of EYE contact, immediately flush with running water for at least 20 minutes. In case of SKIN contact, wash with soap and water. Remove and isolate contaminated clothing and shoes at the site.

## \*\*\*\*\* SECTION VI - REACTIVITY DATA \*\*\*\*\*

STABLE: YES CONDITIONS TO AVOID: Open flames

INCOMPATIBLE MATERIALS TO AVOID:

Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon and nitrogen

HAZARDOUS POLYMERIZATION WILL NOT OCCUR

CONDITIONS TO AVOID: NA

## \*\*\*\*\* SECTION VII - SPILL OR LEAK PROCEDURES \*\*\*\*\*

Stop the flow of liquid, eliminate sources of ignition. Dike or otherwise stop spreading. Vacuum up, absorb or scrape up liquid and contaminated soil. Put into containers for later disposal in an approved EPA or State disposal facility.

## \*\*\*\*\* SECTION VIII - SPECIAL PROTECTION INFORMATION \*\*\*\*\*

RESPIRATORY PROTECTION: In closed areas use NIOSH approved respirator

## VENTILATION:

LOCAL EXHAUST: Recommended

MECHANICAL: Adequate to dispel vapors

SPECIAL: Entering tanks or cleaning up spills; air supply recommended

PROTECTIVE GLOVES: chemically resistant/non-slip

EYE PROTECTION: chemical safety goggles/glasses

OTHER PROTECTIVE EQUIPMENT: Eyewash stations, ample water supply; showers coveralls, splash aprons

## \*\*\*\*\* SECTION IX - SPECIAL PRECAUTIONS \*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Clean up any spills promptly. DO NOT puncture drums.

OTHER PRECAUTIONS:

DO NOT INGEST.

PREPARED BY: S. Roberts

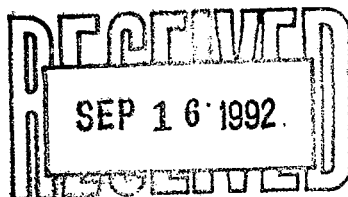
\*\* This Material Safety Data Sheet is provided without charge to responsible persons who use it at their discretion and risk. Although the information contained herein have been completed from sources believed to be reliable there is no warranty of any kind, expressed or implied, as to the completeness or accuracy thereof.

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2060 SOUTH 1500 EAST  
VERNAL, UTAH 84078



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Telephone (801) 789-4327

WATER ANALYSIS REPORT  
EXHIBIT - G

Report for: John Zellitti  
cc for: Steve Hanberg  
cc for:  
cc for:  
Company: Balcron Oil  
Address: P. O. Box 21017 Billings Montana 59104  
Service Engineer: Mike Angus  
Date Sampled: 9-11-92  
Date Reported: 9-11-92  
Location: Coyote Basin 32-6  
County: ~~Utah~~  
State: Utah  
Submitted by: Mike Angus  
Other Info: --- Water Supply Well (Green River Formation)

Chemical Component	mg per liter	meq per liter
Chloride (Cl) =	540.	15.2
Iron (Fe) =	1.6	
Total Hardness (CaCO <sub>3</sub> ) =	300.	
Calcium (Ca) =	76.	3.8
Magnesium (Mg) =	27.	2.2
Bicarbonate (HCO <sub>3</sub> ) =	634.	10.4
Carbonate (CO <sub>3</sub> ) =	0.	0.0
Sulfate (SO <sub>4</sub> ) =	8.	0.2
Hydrogen Sulfide (H <sub>2</sub> S) =	57.8	
Barium (Ba) =	Negligible	
Sodium (Na) (calc.) =	455.	19.8
Specific Gravity =	1.003	
Density (lb/gal) =	8.35	
pH (by meter) =	6.9	
Dissolved CO <sub>2</sub> (mg/l) =	53.	

OTHER DESCRIPTION, REMARKS AND RECOMMENDATIONS

Scaling Index at 68 degrees F = -0.17  
Scaling Index at 86 degrees F = +0.12  
Scaling Index at 122 degrees F = +0.51  
Scaling Index at 158 degrees F = +0.78

Total dissolved solids (calculated) = 1739. mg per liter

Reported by

*William Curry*  
William Curry

Lab Technician

DIAMOND SHAMROCK CORPORATION  
 COYOTE BASIN FEDERAL 43-12  
 COYOTE BASIN  
 UTAH COUNTY, UTAH

DATE : 6-10-81  
 FORMATION : GREEN RIVER  
 DRLG. FLUID: WATER BASE MUD  
 LOCATION : NE SE SEC 12-T8S-R24E

FILE NO : RP-2-6551  
 ANALYSTS : FD,BN  
 ELEVATION: 5516'GL

CONVENTIONAL CORE ANALYSIS - BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM K <sub>a</sub> MAXIMUM	POR. H <sub>e</sub>	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
	4355.0-57.0						NO ANALYSIS - SHALE
	4357.0-68.0						NO ANALYSIS - SILT
1	4368.0-69.0	<0.01	1.9	0.0	56.9	2.64	SAND GRAY VFG SILTY
2	4369.0-70.0	0.65	11.5	0.0	56.3	2.65	SAND GRAY VFG SILTY
3	4370.0-71.0	0.50	10.9	0.0	48.0	2.66	SAND GRAY VFG SILTY
4	4371.0-72.0	2.60	12.8	1.3	54.2	2.66	SAND GRAY VFG SILTY
5	4372.0-73.0	0.03	8.5	0.0	81.5	2.67	SAND GRAY VFG SILTY
6	4373.0-74.0	0.01	5.2	0.0	65.8	2.66	SAND GRAY VFG SILTY
7	4374.0-75.0	1.80	12.6	1.3	59.7	2.66	SAND GRAY VFG SILTY
8	4375.0-76.0	0.68	11.7	0.0	68.1	2.66	SAND GRAY VFG SILTY
9	4376.0-77.0	0.12	7.0	0.0	69.3	2.65	SAND GRAY VFG SILTY
10	4377.0-78.0	1.40	7.1	10.6	33.0	2.65	SAND GRAY VFG SILTY
11	4378.0-79.0	356.	16.6	6.0	36.9	2.65	SAND GRAY-BROWN MG
12	4379.0-80.0	275.	16.4	6.1	33.9	2.65	SAND GRAY-BROWN MG
13	4380.0-81.0	486.	16.9	8.0	41.9	2.65	SAND GRAY-BROWN MG
14	4381.0-82.0	403.	18.0	6.1	42.0	2.66	SAND GRAY-BROWN MG
15	4382.0-83.0	170.	16.4	10.8	34.1	2.67	SAND GRAY-BROWN MG
16	4383.0-84.0	46.	11.2	6.2	33.9	2.67	SAND GRAY-BROWN MG
	4384.0-85.0						NO ANALYSIS - SHALE

EXHIBIT - I  
Monument Butte Area-A Waterflood  
Proposed Injection Well Surface Equipment

47

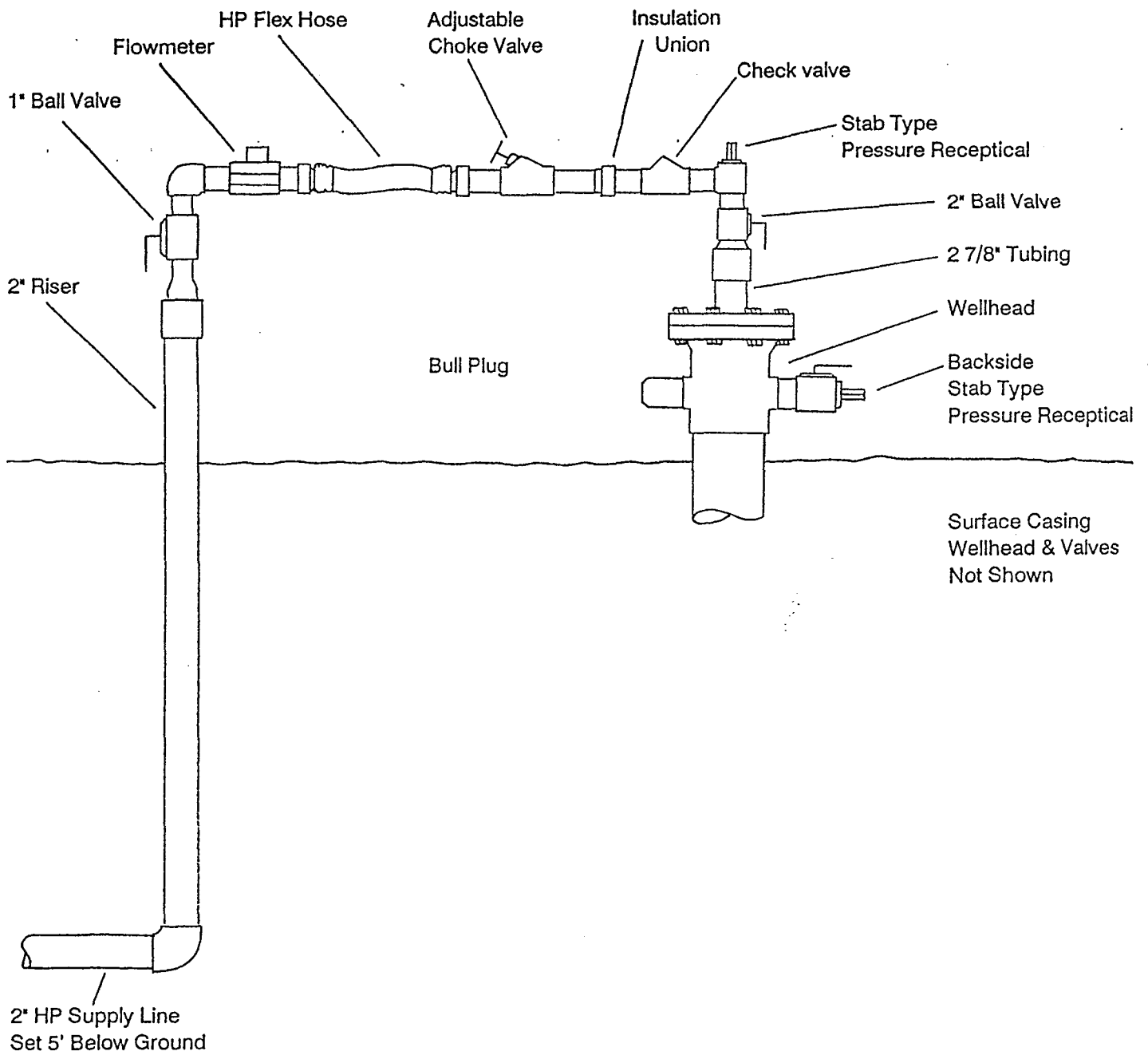


Exhibit - J  
Proposed Injection Well Completion Diagrams

EAST RED WASH FED. #4-6  
SW SE Sec.6,T8S,R25E  
Lease No. U-017439-B  
Coyote Basin Field  
Unitah County,Utah

# Proposed Injection Well Completion Diagram

BALORON OIL  
10-12-92

## SURFACE CASING

8 5/8",J-55,24#  
Length @ 193'  
Landed @ 205'KB  
Cemented w/125 sx, Regular  
Cemented to surface.  
Hole Size @ 12 1/4"

## PRODUCTION CASING

4 1/2",J-55,9.5#  
146 joints @ 4522'  
Landed @ 4535'KB  
Cemented w/150 sx, Regular  
Cement Top @ 3850' from CBL  
Hole Size @ 7 7/8"  
Hole Size @ 7 7/8"

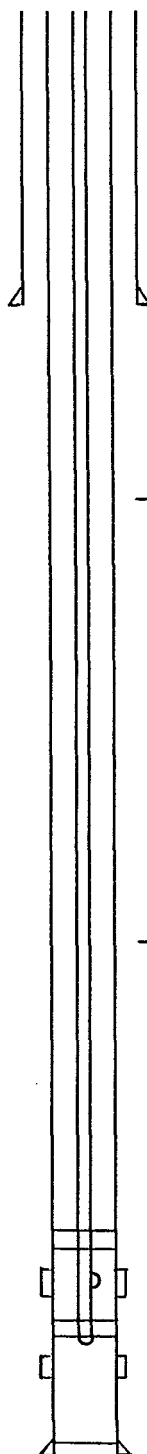
## TUBING & PACKERS

2 3/8",J-55,4.7#  
Landed @ 4456' KB

Retrievable Csg Tension Packer  
Landed @ 4460' KB

Tandem Tension Packer Landed @ 4435' KB

Wireline retrievable downhole flow  
regulators will be set to control the  
flowrate into each injection zone.



- Uinta Formation Surface to 1730 ft.

- Green River Formation 1730 to 4800 ft.

## PERFORATION RECORD

4443'- 4449'(6'@ 2 SPF)  
4463'- 4471'(8'@ 4 SPF)

- Douglas Creek Member 4030 to 4800 ft.

PBTD @ 4535' KB  
TD @ 4555' KB

Wasatch Fm. Transition 5350 to 6000 ft.  
Wasatch Formation 6000 ft.

COYOTE BASIN FED. #42-6X  
SE NE Sec.6,T8S,R25E  
Lease No. U-017439-B  
Coyote Basin Field  
Uintah County,Utah

# Proposed Injection Well Completion Diagram

## SURFACE CASING

8 5/8",24#  
Length: 252'  
Landed @ 262'KB  
Cemented w/190 sx,Class "G"  
Cemented to surface.  
Hole Size - 12 1/4"

## PRODUCTION CASING

5 1/2",J-55,15.5#  
102 jts @ 4690'  
Landed @ 4700'KB  
Cemented w/194 sx, Class "G" &  
142 sx, 50/50 poz  
Cement Top @ 1760'KB from CBL  
Hole Size - 7 7/8"

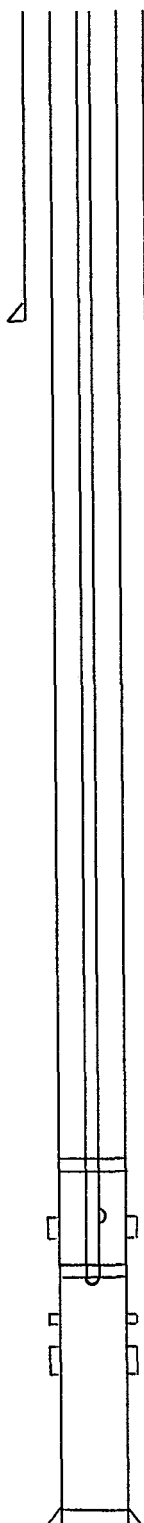
## TUBING & PACKERS

2 7/8",J-55,6.5#  
Landed @ 4538' KB

Retrievable Csg Tension Packer  
Landed @ 4542' KB

Tandem Tension Packer Landed @ 4520' KB

Wireline retrievable downhole flow  
regulators will be set to control the  
flowrate into each injection zone.



— Uinta Formation Surface to 1730 ft.

— Green River Formation 1730 to 4800 ft.

## PERFORATION RECORD

4527'- 4535'(8'@ 2 SPF)  
4546'- 4548'(2'@ 2 SPF)  
4556'- 4574'(18'@ 2 SPF)

— Douglas Creek Member 4030 to 4800 ft.

PBTD @ 4655' KB  
TD @ 4700' KB

Wasatch Fm.Transition 4800 to 5000 ft.  
Wasatch Formation 5000 ft.



Exhibit - K  
Details On Packer And Flow Regulators



## **ACTUAL BEFORE AND AFTER INJECTION PROFILES**

- PRIOR TO RUNNING REGULATORS, THE LOWER ZONE WAS TAKING 94% OF TOTAL INJECTION

- AFTER RUNNING REGULATORS, INJECTION WAS REDISTRIBUTED TO EACH OF THE OTHER ZONES



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# PACKER INSTALLATION PLAN

PREPARED FOR		COMPANY		DATE	
NAME		WORLD PRODUCING TX & NM		1988	
WELL NO.		FIELD		<input type="checkbox"/> NEW COMPLETION <input type="checkbox"/> WORKOVER	
HOWARD - GLASSCOCK		COUNTY			
STATE		DATE			
INSTALLATION	DESCRIPTION	DEPTH	TRACER		
	<b>MULTIZONE INJECTION INSTALLATION</b> <b>TRACER PROFILE RESULTS</b>				
	7" CASING 2-3/8" INJECTION TUBING				
	INJECTION PACKER	2490'			
	PERFORATIONS 2568-2596' PERCENT OF TOTAL INJECTION LOST TO ZONE		0%		
	PERFORATIONS 2714-2722' 2762-2762' 2766-2762'				
	PERCENT OF TOTAL INJECTION LOST TO ZONE		6%		
	PERFORATIONS 2854-2862' 2878-2882' 2906-2950'				
	PERCENT TOTAL INJECTION LOST TO ZONE				
DATE:	PREPARED BY:	OFFICE:	PHONE:		
	TYONNE CALLAWAY	MIDLAND SALES	(915) 899-7321		



55

# PACKER INSTALLATION PLAN

PROJECT NO. MOBILE PRODUCING TX & NM		DATE 1988	
NAME HOWARD GLASSCOCK	TITLE FIELD	COUNTY MOBILE	SCALE <input type="checkbox"/> 1/2" = 100'

INSTALLATION	DESCRIPTION	DEPTH	TRACER
	<b>MULTIZONE INJECTION INSTALLATION TRACER PROFILE RESULTS</b>  7" CASING 2-3/8" INJECTION TUBING  GUBERSON 7" X 2-3/8" TANDEN TYPE ISOLATION PACKER  PERFORATIONS 2586' - 2586'  PERCENT OF TOTAL INJECTION LOST TO ZONE RATE SET @ 200 BPD (38% OF TOTAL INJECTION)	2586'	34%
	CAMCO 2-3/8" TYPE WMA SIDPOCKET WITH 1-1/2" TYPE RW WIRELINE RETRIEVABLE FLOW REGULATOR X TYPE RA LATCH  INJECTION TUBING	2624'	
	GUBERSON 7" X 2-3/8" TANDEN TYPE ISOLATION PACKER  PERFORATIONS 2714' - 2712' 2702' - 2702' 2700' - 2702'	2636'	44%
	PERCENT OF TOTAL INJECTION LOST TO ZONE RATE SET @ 200 BPD (38% OF TOTAL INJECTION)		
	CAMCO 2-3/8" TYPE WMA SIDPOCKET MANDREL WITH 1-1/2" TYPE RW WIRELINE RETRIEVABLE FLOW REGULATOR X RA LATCH	2795'	
	GUBERSON 7" X 2-3/8" ER-VI TYPE DOUBLE GRP PACKER	2832'	
	CAMCO 2-3/8" TYPE WMA SIDPOCKET MANDREL WITH 1-1/2" TYPE RW WIRELINE RETRIEVABLE FLOW REGULATOR X RA LATCH  PERFORATIONS 2854' - 2852' 2876' - 2852' 2806' - 2800'	2847'	22%
	PERCENT TOTAL INJECTION LOST TO ZONE RATE SET @ 125 BPD (24% OF TOTAL INJECTION)		
	BULL PLUG	2940'	

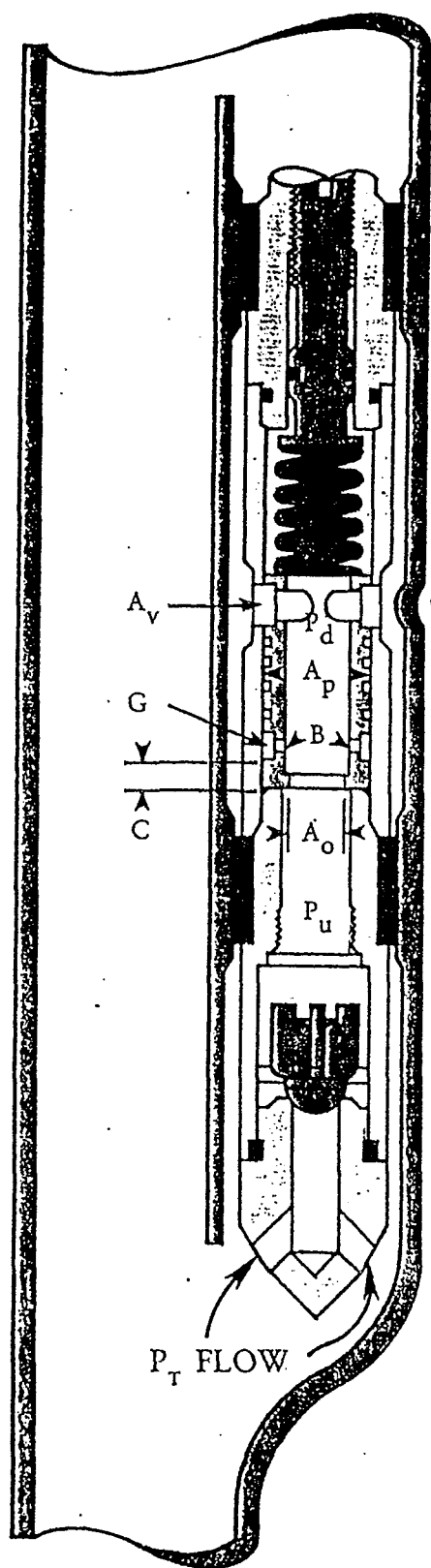
  

DATE	PREPARED BY: YVONNE CALLAWAY	OFFICE: KIDLAND SALES	PHONE: (915) 699-7321
------	---------------------------------	--------------------------	--------------------------

## REGULATOR OPERATIONS

- FLOW ENTERS THROUGH THE BOTTOM TO MINIMIZE PLUGGING, AND TO KEEP THE RETRIEVING LATCH FREE FROM DEBRIS
- REGULATOR BEGINS TO THROTTLE AT ABOUT 75 PSI DIFFERENTIAL
- LARGE VOLUME CHANGES ARE MADE BY CHANGING THE ORIFICE SIZE ( $A_0$  IN THE DRAWING)
- INJECTION FLOW CAN BE FINE TUNED USING THE ADJUSTING SCREW
- CHECK VALVE IS OPTIONAL

## Operation Schematics



- $A_p$  Piston Face Area.  
 $A_v$  Variable Orifice. Throttling of flow occurs at this point.  
 $A_o$  Control Orifice Area. Determines adjustable range of the regulator.

- $P_T$  Tubing Pressure  
 $P_z$  Zone Pressure.  
 $P_u$  Injection Pressure.  
 $P_d$  Injection Pressure less the pressure drop across ( $A_o$ ).  
 $F_s$  Spring Force acting to open ( $A_v$ ).  
 $F_f$  Hydraulic Force acting to close ( $A_v$ ).  
 When ( $F_s = F_f$ ) regulation occurs  
 $G$  Circumferential groove around piston.  
 $B$  Port to Communicate Pressure ( $P_d$ ) to Groove ( $G$ ).

KCW and RW Flow  
Regulator Valve  
Operation

Figure 1

# Flow Regulator Valves

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## How Regulation Occurs (See Figure 1)

All flow passes through the fixed orifice  $A_O$  in the piston (light green as illustrated in Figure 1). Regulation occurs as flow goes through the variable orifice  $A_V$  in this piston.

Flow through  $A_O$  creates a pressure drop ( $P_U - P_D = \Delta P$ ) which is a function of fluid flow through the orifice. This pressure drop acts on the net effective area of the piston ( $A_P - A_O = \text{Net Area}$ ) to create a force ( $\Delta P \times \text{Net Area} = \text{Force}$ ) that acts in a direction to compress the spring (dark green as illustrated in Figure 1). As flow increases through  $A_O$  in the piston, the pressure drop ( $\Delta P$ ) across  $A_O$  increases.

The increase in flow and pressure drop continues until the force ( $\Delta P \times \text{Net Area} = \text{Force}$ ) is equal but opposite to the force exerted by the spring. The condition of balanced forces is the beginning of regulation.

If more flow attempts to pass through  $A_O$ , a higher pressure drop ( $\Delta P$ ) will be generated. Because the spring is the only force resisting the opposing force created by higher differential pressure ( $\Delta P$ ), the piston will move to compress the spring and also restrict the variable orifice ( $A_V$ ).  $A_V$  will be restricted until the flow, and therefore differential pressure ( $\Delta P$ ) across  $A_O$ , are reduced to the set value for the desired conditions of flow. A balance is once again obtained between the spring force ( $F_S$ ) and the force due to flow ( $\text{Force} = \Delta P \times \text{Net Area}$ ).

The regulator is designed to have a maximum pressure drop of 60 to 70 psi across the fixed piston orifice. It is possible to have a very high difference between pressure downstream of the piston ( $P_U$ ) and zone pressure ( $P_Z$ ). This pressure could be as high as 3,000 psi. With a pressure difference this high, some leakage between the large groove in the piston O.D. (G) which is at pressure ( $P_D$ ) and zone pressure which is at pressure ( $P_Z$ ) can be expected. The drilled

ports (B) in the piston allow fluid to enter the groove (G) at pressure ( $P_D$ ). This fluid has already passed through the fixed piston orifice ( $A_O$ ), contributing to the pressure drop ( $\Delta P$ ) generated by this orifice. Therefore, the leakage has been sensed as flow and the piston has moved to compensate for this flow.

There also exists between the groove (G) and the downstream face of the piston, a pressure drop ( $P_U - P_D$ ) which, at its maximum, does not exceed 70 psi. This pressure acting across the section (C) of the piston contributes to a very minute amount of leakage that is not compensated for, although the valve, set under flowing conditions, corrects for this leakage. Any pressure variations between the injection string and the zone fail to change this leakage because the pressure drop ( $P_U - P_D$ ) across the fixed orifice ( $A_O$ ) is always constant. Therefore, leakage is always the same, regardless of the conditions of regulated flow.

## Pressure Drop Across The Regulator

In the previous discussion, it has been pointed out that a maximum pressure drop of 70 psi may occur across the fixed piston orifice. This does not mean that 70 psi is the greatest pressure drop across the regulator.

Figures 4 and 5 indicate the minimum pressure drop ( $P_T - P_Z$ ) required to ensure proper regulation at various rates through the regulator. Since the pressure drop across the control orifice does not exceed 70 psi, the remaining pressure drop is generated in flowing around the check dart (red as illustrated in Figure 1, if applicable), through the bore of the regulator and across the variable orifice ( $P_D - P_Z$ ) where the greatest pressure drop occurs. The minimum pressure drop as indicated in Figures 4 and 5 is therefore the combination of all these various drops at any particular rate.

## **SIDE-POCKET MANDRELS**

- SIDE POCKET MANDRELS ALLOW WIRELINE RETRIEVAL OF THE REGULATORS, WHILE LEAVING THE PACKER SYSTEMS IN PLACE. THIS ALLOWS FOR RESIZING OR CLEANING OF THE REGULATOR IF SOLIDS PROBLEMS ARE ENCOUNTERED IN INJECTED FLUIDS.

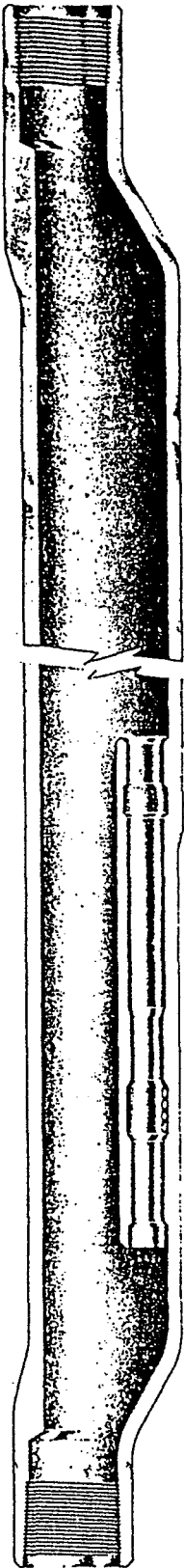
# MMA and MMG Side Pocket Mandrels

60

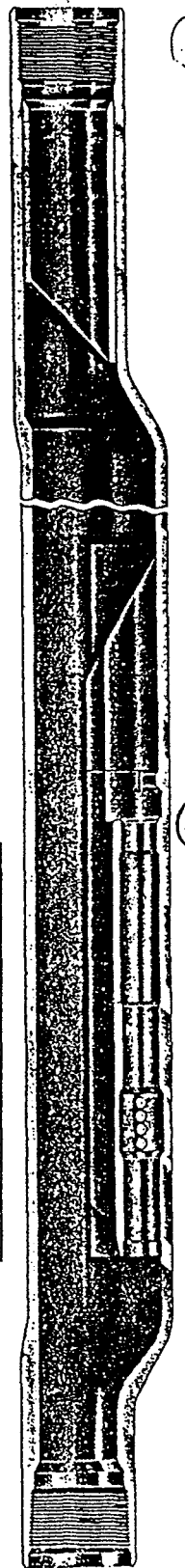
The MMA and MMG mandrels are side pocket mandrels which facilitate 1-1/2" O.D. wireline retrievable flow regulator valves and other accessories. The mandrels are designed with eccentric swages and a side pocket which serves as a receiver for Camco flow regulator valves and other accessories. This side pocket also allows room for the operation of running tools, pulling tools and kickover tools which insert and remove valves from the pocket by standard wireline methods.

The MMA mandrel uses an RA latch that has external seal rings which prevent solids from filling in on top of the flow regulator valve.

The MMG mandrels are advanced in design and feature a guide or orienting sleeve for aligning side pocket accessories by receiving the finger of the kickover tool and orienting the tool with the pocket. A tool discriminator guides the proper tool into the pocket and deflects larger size tools.



MMA



MMG

Engineering Data							
Tubing Size (in.)	Type	Assembly Number	Major O.D. (in.)	Minor O.D. (in.)	Drift I.D. (in.)	Flow Regulator	Latch
2.375	MMA	05256	4.750	4.000	1.901	RW	RA
	MMG	05320	4.673	4.000	1.901		RK
2.875	MMA	05258	5.500	4.594	2.347		RA
	MMG	05321	5.500	4.594	2.347		RK
3.500	MMA	05260	5.968	5.000	2.867		RA
	MMG	05295	5.968	5.000	2.867		RK



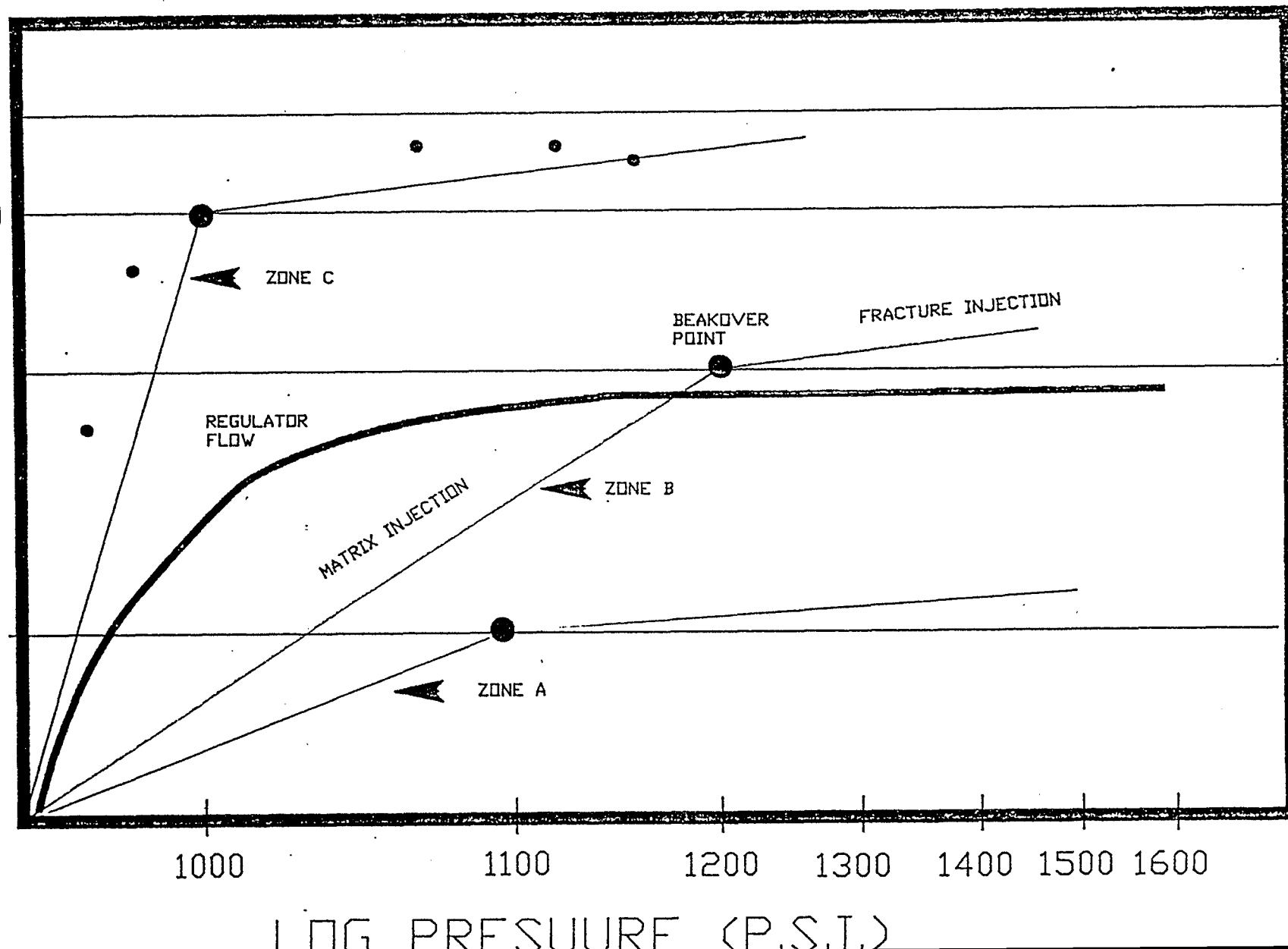
61

## **RATE SET UP**

**- THE INJECTION RATE FOR EACH ZONE  
CAN BE DETERMINED USING A NUMBER OF  
METHODS:**

- LOG AND PERMIABILITY DATA
- COMPUTER MODELING
- STEP-RATE TESTS (SEE EXAMPLE DRAWING)
- LENGTH OF ZONE
- OTHERS

# WATERFLOOD FLOW REGULATORS



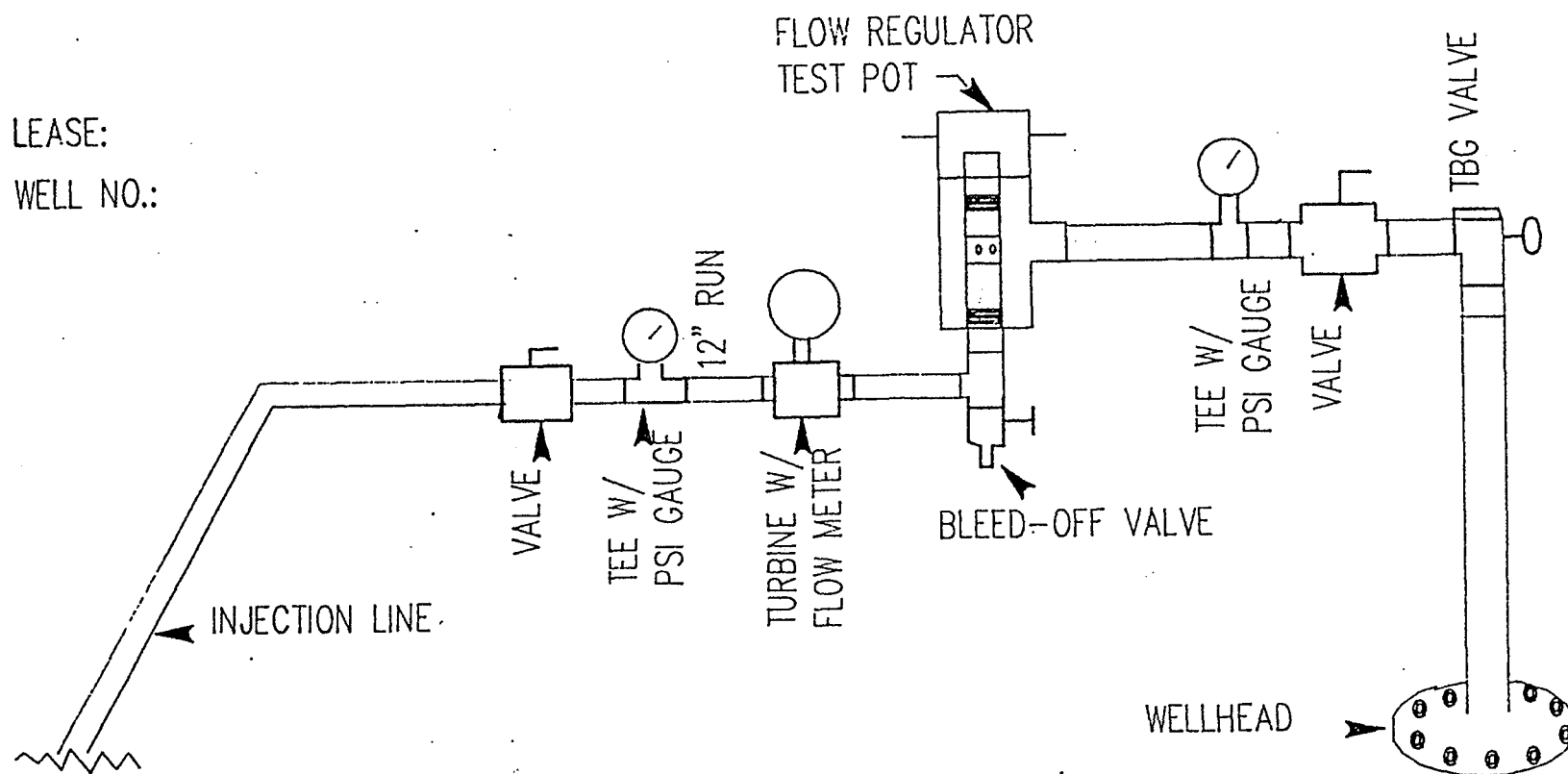
## **SURFACE TEST LOOP**

- THE RW REGULATOR FLOW RATE CAN BE SET UP USING A SURFACE FLOW-THROUGH LOOP TO INSURE PROPER SETTINGS
- CAN SET UP ON LOCATION WITH A FLOW LOOP SYSTEM IF NEEDED

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## SURFACE TEST LOOP SCHEMATIC

LEASE:  
WELL NO.:



PREPARED FOR  
PAUL EDWARDS

COMPANY  
AMOCO PRODUCTION CO.

FIELD & COUNTY  
OKLAHOMA CITY, OK

PREPARED BY  
DAN THEMIG

OFFICE & PHONE  
OKC (405) 495-4380

DATE  
JULY 6, 1988

## **SAMPLE INSTALLATIONS**

- ENCLOSED ARE SOME SAMPLE INSTALLATIONS SHOWING THE FLEXIBILITY OF THE FLOW REGULATOR SYSTEM, EVEN WITH MULTIPLE ZONES BEING FLOODED.

PREPARED FOR:	COMPANY:	Mobil	DATE:	MA 19 1991
4-1 W.I.W.		COUNTY:	STATE:	OK
		<input type="checkbox"/> NEW COMPLETION <input type="checkbox"/> WORKOVER		

66

BPD

PROPOSED INSTALLATION FOR WATERFLOOD

Casing 7" 22-24 LB/FT TUBING 2 7/8"	8.875-8.411
GILBERTSON 7 1/8" X 2 7/8" SINGLE RUBBER TANGON TONGUE PACKER	6.800-2.437
GILBERTSON/CANCO 2 7/8" 100% PLASTIC COATED HANGOVER WITH 1 1/2" TV" FLOW REGULATOR. REGULATOR SET AT 900 BPD	4.750-2.910
PERFORATIONS 3446-3220'	
GILBERTSON 7 1/8" X 2 7/8" SINGLE RUBBER TANGON TONGUE PACKER	6.800-2.437
GILBERTSON/CANCO 2 7/8" 100% PLASTIC COATED HANGOVER WITH 1 1/2" TV" FLOW REGULATOR. REGULATOR SET AT 900 BPD	4.750-2.910
PERFORATIONS 3600-3700'	
GILBERTSON 7 1/8" X 2 7/8" SINGLE RUBBER TANGON TONGUE PACKER	6.800-2.437
GILBERTSON/CANCO 2 7/8" 100% PLASTIC COATED HANGOVER WITH 1 1/2" TV" FLOW REGULATOR. REGULATOR SET AT 600 BPD	4.750-2.910
PERFORATIONS 3900-4000'	
GILBERTSON 7 1/8" X 2 7/8" SINGLE RUBBER TANGON TONGUE PACKER	6.800-2.437
GILBERTSON/CANCO 2 7/8" 100% PLASTIC COATED HANGOVER WITH 1 1/2" TV" FLOW REGULATOR. REGULATOR SET AT 100 BPD	4.750-2.910
PERFORATIONS 4200-4300'	
GILBERTSON 7 1/8" X 2 7/8" SINGLE RUBBER TANGON TONGUE PACKER	6.800-2.437
GILBERTSON/CANCO 2 7/8" 100% PLASTIC COATED HANGOVER WITH 1 1/2" TV" FLOW REGULATOR. REGULATOR SET AT 100 BPD	4.750-2.910
PERFORATIONS 4360-4380'	
GILBERTSON 7 1/8" X 2 7/8" SINGLE RUBBER TANGON TONGUE PACKER	6.800-2.437
GILBERTSON/CANCO 2 7/8" 100% PLASTIC COATED HANGOVER WITH 1 1/2" TV" FLOW REGULATOR. REGULATOR SET AT 100 BPD	4.750-2.910
PERFORATIONS 4420-4430'	
GILBERTSON 7 1/8" 22-24 LB/FT X 2 7/8" LINE-PACKER VI	6.800-2.437
GILBERTSON/CANCO 2 7/8" 100% PLASTIC COATED HANGOVER WITH 1 1/2" TV" FLOW REGULATOR. REGULATOR SET AT 300 BPD	4.750-2.910
PERFORATIONS 4610-4630'	
T.A. 4100'	

**Guiberson**  
AN IRVING COMPANY

**DRESSER**

DRAWING DATE:	GILBERTSON REPRESENTATIVE:	OFFICE LOCATION:	PHONE:
3-19-91	DAN THEMIG	OKLAHOMA CITY, OK	(405) 495-4391
SERVICE CENTER:	SERVICE CENTER REP:	PHONE:	
RATLIFF CITY, OKLAHOMA	BILL WILLIAMS	(405) 856-3620	



# PACKER INSTALLATION PLAN

INJECTION SCALE (BPD)		PREPARED FOR	COMPANY	DATE
3000	2000	1000	0	1/29/92
<input type="checkbox"/> CURRENT RATES	<input checked="" type="checkbox"/> PLANNED RATES	WELL	COUNTY	STATE WY
		NEW COMPLETION WORKOVER		

INSTALLATION	DESCRIPTION	DL	UL
	CASING - 7" 26#	7.00	6.28
	TUBING - 2-7/8" 8.5#	2.87	2.44
	GIBBERSON 7" X 2-7/8" XL ON-OFF TOOL W/316 STAINLESS STEEL GUDGEON (CONTAINS 2.313" "C-X" PROFILE IN RETRIEVING NECK)	5.50	2.31
	GIBBERSON 7" X 2-7/8" UNI-PACKER 7 HYDRAULIC SET INJECTION PACKER	6.00	2.44
	2-7/8" MMA TYPE OR EQUIVALENT SIDE-POCKET MANDREL WITH: -CAMCO "RW" 1-1/2" FLOW REGULATOR (REGULATES FROM 60-1000 BPD) -TYPE "RA" OR EQUIVALENT LATCH	5.50	2.34
	ZONE "A" (11012-11054')	1.50	---
	GIBBERSON 7" X 2-7/8" UNI-PACKER 6 SINGLE STRING RETRIEVABLE INJECTION PACKER	6.00	2.43
	2-7/8" MMA TYPE OR EQUIVALENT SIDE-POCKET MANDREL WITH: -CAMCO "RW" 1-1/2" FLOW REGULATOR (REGULATES FROM 60-1000 BPD) -TYPE "RA" OR EQUIVALENT LATCH	5.50	2.34
	ZONE "B" (11058-11113')	1.50	---
	2-7/8" TUBING TAILPIPE	2.87	2.44
	TUBING BULL PLUG	3.66	---

GIBBERSON REPRESENTATIVE: Dan Themig	OFFICE LOCATION: Denver, Co	PHONE: (303) 825-1640
SERVICE CENTER: RIVERTON, WY	SERVICE CENTER REP: PHIL HERNANDEZ	PHONE: (307) 856-0166

Exhibit - L  
Plugging And Abandonment Diagrams



EAST RED WASH FED. #4-6  
SW SE Sec.6,T8S,R25E  
Lease No. U-017439-B  
Coyote Basin Field  
Utah County,Utah

Proposed Plugging & Abandonment Diagram

BALCRON OIL  
10-12-92

SURFACE CASING

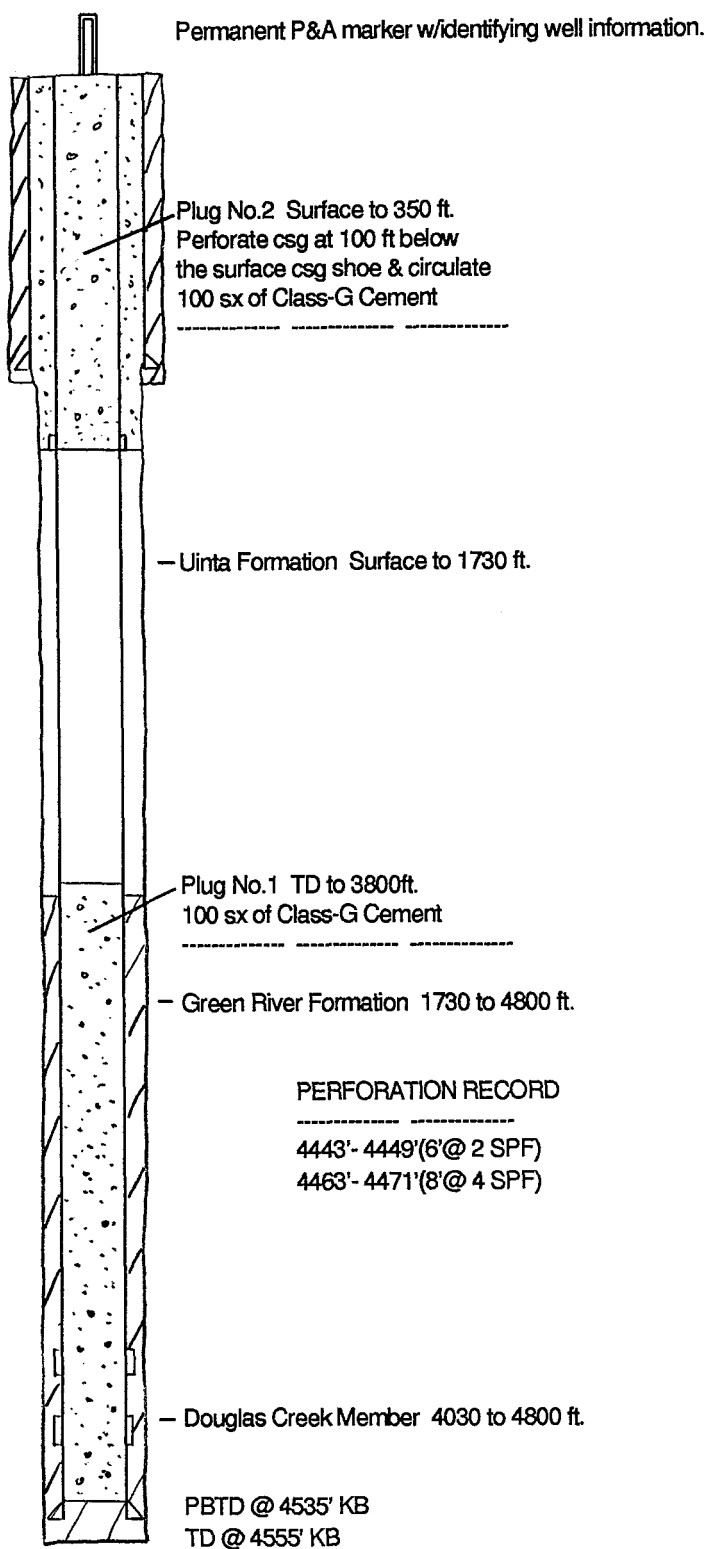
8 5/8",J-55,24#  
Length @ 193'  
Landed @ 205'KB  
Cemented w/125 sx, Regular  
Cemented to surface.  
Hole Size @ 12 1/4"

PRODUCTION CASING

4 1/2",J-55,9.5#  
146 joints @ 4522'  
Landed @ 4535'KB  
Cemented w/150 sx, Regular  
Cement Top @ 3850' from CBL  
Hole Size @ 7 7/8"

PLUGGING PROCEDURE

Enter the well w/tbg and wash to TD.If the well is not dead,circulate mud with sufficient weight to kill the well.Pump a balanced cement plug using 100 sacks across the Douglas Creek Member of the Green River Formation from TD to at least 300 ft above the upper most perfs. The production csg will be perforated for two feet using 4 SPF at a point 100 ft below the surface csg shoe.Circulation will be established to surface and cement will be circulated to fill the production csg & the annulus from the perforations to surface using 100 sx of class-G cement. The top of the second cement plug will be at the surface & the bottom will be 100 ft below the surface csg shoe.A P&A marker will be set to identify the location.



PERFORATION RECORD

4443'- 4449'(6'@ 2 SPF)  
4463'- 4471'(8'@ 4 SPF)

Wasatch Fm. Transition 5350 to 6000 ft.  
Wasatch Formation 6000 ft.



## PLUGGING AND ABANDONMENT PLAN

780

## NAME AND ADDRESS OF FACILITY

Coyote Basin Waterflood Project  
Uintah County, Utah

## NAME AND ADDRESS OF OWNER/OPERATOR

Balcron Oil  
P.O. Box 21017  
Billings, MT 59104

## STATE

## COUNTY

Utah

Uintah County

## PERMIT NUMBER

LOCATE WELL AND OUTLINE UNIT ON  
SECTION PLAT — 640 ACRES

## SURFACE LOCATION DESCRIPTION

1/4 OF SW 1/4 OF SE 1/4 SECTION 6 TOWNSHIP 8S RANGE 25E

## LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface  
Location 660 ft. from (N/S) S Line of quarter section

and 180 ft. from (E/W) E Line of quarter section

## TYPE OF AUTHORIZATION

- ☐
- Individual Permit
- 
- ☒
- Area Permit
- 
- ☐
- Rul.

Number of Wells 2

## WELL ACTIVITY

- ☐
- CLASS I
- 
- ☒
- CLASS II
- 
- ☐
- Brine Disposal
- 
- ☒
- Enhanced Recovery
- 
- ☐
- Hydrocarbon Storage
- 
- ☐
- CLASS III

Lease Name East Redwash Fed.

Well Number #4-6

## CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT(LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE
8 5/8"	24		193'	12 1/4"
4 1/2"	9.5		4535'	7 7/8"

## METHOD OF EMPLACEMENT OF CEMENT PLUGS

- ☒
- The Balance Method plug #1
- 
- ☐
- The Dump Bailer Method
- 
- ☐
- The Two-Plug Method
- 
- ☒
- Other pump & circulate plug #2 through perms to surface

## CEMENTING TO PLUG AND ABANDON DATA:

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4 1/2"	4 1/2"					
Depth to Bottom of Tubing or Drill Pipe (ft.)	4535	NA					
Sacks of Cement To Be Used (each plug)	100	100					
Slurry Volume To Be Pumped (cu. ft.)	115	115					
Calculated Top of Plug (ft.)	3275	Surface					
Measured Top of Plug (if tagged ft.)							
Slurry Wt. (Lb./Gal.)	15.8	15.8					
Type Cement or Other Material (Class III)	Class - G	Class - G					

## LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (If any)

From	To	From	To
4443'	4449'		
4463'	4471'		

## Estimated Cost to Plug Wells

\$7000.00 < Rig @ \$3000  
Cement @ \$4000

## CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

NAME AND OFFICIAL TITLE (Please type or print)

Bobbie Schuman  
Coordinator of Environmental

SIGNATURE

Bobbie Schuman

DATE SIGNED

10/20/92

COYOTE BASIN FED. #42-6X  
SE NE Sec.6,T8S,R25E  
Lease No. U-017439-B  
Coyote Basin Field  
Uintah County, Utah

# Proposed Plugging & Abandonment Diagram

BALCRON OIL  
10-12-92

## SURFACE CASING

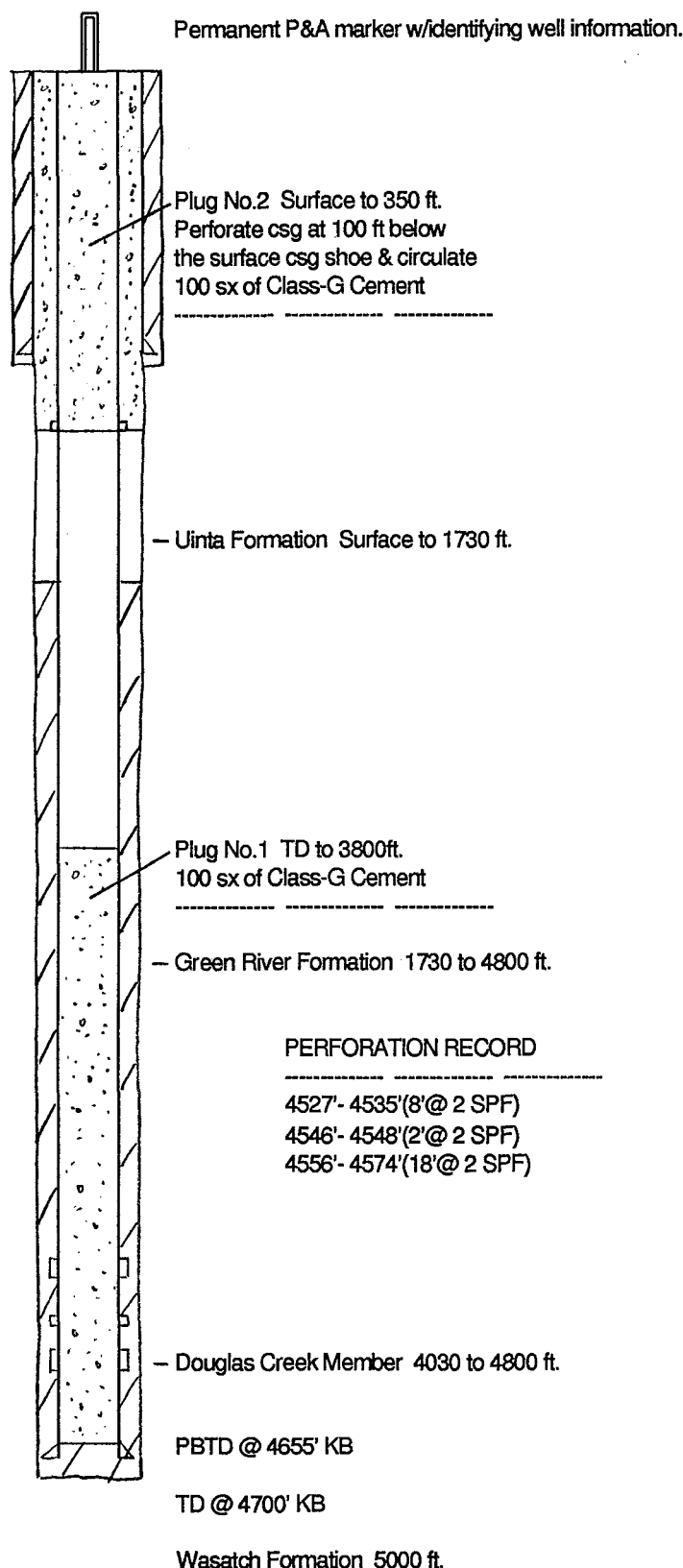
8 5/8", 24#  
Length: 252'  
Landed @ 262' KB  
Cemented w/190 sx, Class "G"  
Cemented to surface.  
Hole Size - 12 1/4"

## PRODUCTION CASING

5 1/2", J-55, 15.5#  
102 jts @ 4690'  
Landed @ 4700' KB  
Cemented w/194 sx, Class "G" &  
142 sx, 50/50 poz  
Cement Top @ 1760' KB from CBL  
Hole Size - 7 7/8"

## PLUGGING PROCEDURE

Enter the well w/tbg and wash to TD. If the well is not dead, circulate mud with sufficient weight to kill the well. Pump a balanced cement plug using 100 sacks across the Douglas Creek Member of the Green River Formation from TD to at least 300 ft above the upper most perms. The production csg will be perforated for two feet using 4 SPF at a point 100 ft below the surface csg shoe. Circulation will be established to surface and cement will be circulated to fill the production csg & the annulus from the perforations to surface using 100 sx of class-G cement. The top of the second cement plug will be at the surface & the bottom will be 100 ft below the surface csg shoe. A P&A marker will be set to identify the location.



## PERFORATION RECORD

4527'- 4535'(8'@ 2 SPF)  
4546'- 4548'(2'@ 2 SPF)  
4556'- 4574'(18'@ 2 SPF)

FILED

APR 12 1993

R. Dennis Ickes (1615)  
 Robert P. Faust (3928)  
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SECRETARY, BOARD OF  
 OIL, GAS & MINING

BEFORE THE BOARD OF OIL, GAS AND MINING

DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH

IN THE MATTER OF THE REQUEST	)	
FOR AGENCY ACTION OF BALCRON	)	
OIL, A DIVISION OF EQUITABLE	)	
RESOURCES ENERGY COMPANY, FOR	)	
AN ORDER APPROVING PETITIONER'S	)	
APPLICATION FOR ESTABLISHMENT	)	Docket No.
OF UNIT BOUNDARIES, APPROVAL OF	)	
UNIT OPERATIONS, AND FOR	)	
UNDERGROUND INJECTION OF WATER	)	Cause No.
FOR SECONDARY RECOVERY IN THE	)	
GREEN RIVER FORMATION IN	)	
TOWNSHIPS 7 AND 8 SOUTH, RANGES	)	
24 AND 25 EAST, S.L.B.&M.,	)	
UINTAH COUNTY, UTAH,	)	

---

Balcron Oil, a division of Equitable Resources Energy Company, by and through its attorneys, R. Dennis Ickes and Robert P. Faust of Nielsen & Senior, P.C., pursuant to §40-6-1, et seq., and R641, respectfully, enters this Petition and Request for Agency Action to approve an order approving the establishment of unit boundaries, approving the creation of the Coyote Basin Unit operations, and for the underground injection of water for secondary recovery of oil and gas from the Green River Formation in Townships 7 and 8 South,

Ranges 24 and 25 East, Salt Lake Base and Meridian, Uintah County, Utah.

In support hereby Petitioner represents that:

1. Petitioner is a corporation duly qualified to do business in the State of Utah, with its offices located at 1601 Lewis Building, Billings, Montana.

2. Petitioner is the operator of the proposed unit.

3. Petitioner is engaged in forming a unit for the purpose of conducting secondary recovery operations in the Green River Formation in the Coyote Basin Field, by converting one producing well, the Balcron Coyote Federal #42-6X, to enhanced recovery/injection well in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ , S6, T8S, R25E, Uintah County, Utah.

4. Petitioner has attached to this Petition the following exhibits:

a. Exhibit "A" - plat map of the mineral ownership of the unit.

b. Exhibit "B" - schedule showing the tract number, legal description, number of acres, lease information, royalty owners and their rates, lessee of record, overriding royalty owners, and the working interest owners and their percentages.

c. Exhibit "C" - identification of each tract being drained by each well, each well's current production, each tract's estimated remaining reserves, each tract's estimated ultimate recovery, each tract's estimated reservoir volume, and each tract's participation factor.

d. Exhibit "D" - identification of the working interest owners in each tract and each party's working interest.

e. Exhibit "E" - a copy of the unit agreement and plan of unitization and a copy of the unit operating agreement.

f. Exhibit "F" - a copy of the application for the injection well (UIC Form 1).

g. Exhibit "G" - water analysis report.

h. Exhibit "H" - the Affidavit of R. Dennis Ickes certifying that notification of the Petition was sent to all parties having a direct interest, including owners, operators, and royalty owners located within one-half mile of the exterior boundaries of the unit.

i. Exhibit "I" - notice of meeting concerning creating the unit, unit agreement, and the unit operating agreement.

j. Exhibit "J" - names and addresses of each operator and mineral and surface owners.

k. Exhibit "J1" - names and addresses of each operator and mineral and surface owners within one-half mile of the unit boundaries.

#### STATEMENT OF FACTS AND REASONS FOR RELIEF

##### A. Creation of the Unit Agreement, Plan of Unitization, and Unit Operating Agreement.

1. The proposed Coyote Basin Unit Area will consist of approximately 2,801.54 acres in Uintah County, Utah, described in Exhibit "B."

2. Attached hereto as Exhibit "A," and by reference specifically incorporated herein, is a plat outlining the area affected by the proposed operation and unitization.

3. Attached hereto as Exhibit "J," and by this reference specifically incorporated herein, is a tabulation showing the names and addresses of each operator and mineral and surface owner, as shown by the official records, of each separate tract of land within the proposed unit area, including each person owning a fee, leasehold, mineral or royalty interest, mortgagees and owners of other liens and encumbrances, and all persons owning an interest in the oil and gas or production therefrom. The specific legal description and list of oil and gas owners for each separate tract is fully set forth on Exhibit "B" to the unit agreement, which unit agreement, along with the unit operating agreement, are attached hereto as Exhibit "E" and by this reference specifically incorporated herein.

4. Attached hereto as Exhibit "J1," and by this reference specifically incorporated herein, is a tabulation showing the names and address of each operator and mineral and surface owner, as shown by the official records, of all governmental quarter sections or lots equivalent thereto directly or diagonally offsetting the proposed unit area and within one-half mile of the injection well, including each person owning a fee, leasehold, mineral or royalty interest, mortgagees and owners of other liens and encumbrances, and all persons owning an interest in the oil and gas or production therefrom.

5. Petitioner is the lessee of record for all or part of 2,000.72 acres of 2,801.54 acres within the Unit (71.415%).

6. On March 24, 1993, Petitioner invited each of the working interest owners within the proposed unit area to a meeting to be held on April 1, 1993, at 10:00 o'clock a.m. at the offices of the Petitioner at 1601 Lewis Avenue Building in Billings, Montana, sending to each such party a notice by either air courier or by certified mail. The working interest owners were also provided with a copy of the proposed unit agreement, a proposed unit operating agreement, and six copies of ratification and joinder of unit and unit operation agreements. The described purpose of the meeting was to discuss and vote on the engineering reports, the creation of the proposed unit, the unit operator, the unit participation formula, and to execute a unit agreement and operator agreement. A copy of the notice, proposed unit agreement and unit operating agreement are attached as Exhibit "I."

7. On April 1, 1993, at 10:00 o'clock a.m., more than 70% of the working interest within the proposed unit area were present in person or through their respective representatives at the time, date and place designated in the notice.

8. Subsequent to the April 1, 1993, meeting, more than 70% of the working interest executed the ratification and joinder of the unit and unit operating agreements.

9. Subsequent to the April 1, 1993, meeting, more than 70% of the royalty interests created by the basic leases have signed or ratified the unit agreement, or if they have not, will have within



six months from the date on which the order providing for unit operations is made.

10. There are 22 working interest owners within the unit, of which Petitioner is one.

11. Certain interested parties may not execute written consents to the proposed plan of unitization and/or the proposed operating plan. The names, addresses and interests of each nonconsenting interested party will be furnished at the hearing to be held with respect to this Petition. Petitioner requests that the non-consent interests be involuntarily pooled for the unitized management, operation and development of the Green River Formation as requested herein.

B. The Unit.

1. There are currently 24 tracts with 23 wells from which there is production of 5,576 STBOPM as of January 1993.

2. It is estimated that there are remaining reserves of 533,433 STBO with an ultimate recovery of 1,953,543 STBO if the unit is approved.

3. Each of the 24 tracts is allocated a tract participation factor totalling 100% for all 24 tracts.

4. The unit operator has caused an engineering report to be prepared which discloses that the subject unit is underlaid by a common pool and a source of supply of oil.

5. The value of the estimated additional recovery of oil or gas substantially exceeds the estimated additional cost incident to conducting such operations.

6. The allocation to the separately-owned tracts in the unit area of all the oil and gas production from within the unit area shall be in accordance with the agreement of the interested parties.

7. The working interest owners of the unit area have agreed to the amount to be charged unit operations and to an adjustment of their respective investment in wells, tanks, pumps, machinery, materials, equipment, and other things, and services of value attributable to the unit operations.

8. The working interest owners of the unit have agreed to how the costs of unit operations, including capital investment, will be determined and charged to the separately-owned tracts and how these costs will be paid, including providing a procedure for the unit production allocated to an owner who does not pay the cost of the cost of unit operations charged to such owner, or the interests of such owner, to be sold and the proceeds applied to the payment of such costs.

9. The working interest owners of the unit have authorized the operator of the unit to have a first and prior lien for costs incurred pursuant to the plan of unitization upon each owner's oil and gas rights and his share of unitized production to secure the payment of such owner's proportionate part of the cost of development and operating the unit area. Nonconsenting owners are

deemed to have contracted with the unit operator for his proportionate part of the cost of developing and operating the unit.

10. Each owner is allocated a percentage vote corresponding to the percentage of the costs of unit operations chargeable against the interest of the owner.

11. Unit operations shall commence when the Division of Oil, Gas & Mining approves this Petition and issues its Order and shall continue so long as the unit agreement remains in effect and thereafter until all unit wells have been abandoned and plugged or turned over to working interest owners, all unit equipment and real property acquired for the joint account have been disposed or by the unit operator, and there has been a final accounting.

12. More than 70% of the working interest owners have voted to designate Equitable Resources Energy Company as the unit operator, to which it has consented and has accepted the duties and obligations of unit operator.

13. Working interest owners have adopted other provisions for the carrying on of unit operations and for the protection of correlative rights, including:

- a. the cost of drilling, completing, equipping, producing, gathering, transporting, processing, marketing, and storage facilities;

- b. reasonable charges for the administration and supervision of operations; and

- c. other costs customarily incurred in the industry.

14. Unit operations may be conducted on less than the whole of the unit for the reason that the unit area is of such size and shape as to make operations on the whole inappropriate from time to time. Such operations on less than the whole will be conducted so as not to have adverse effects upon other portions of the unitized pool.

15. Operations upon any portion of the unit will be considered as operations upon each separately-owned tract within the unit area. Portions of the unit production allocated to a separately-owned tract in a unit area shall, when produced, be treated as having been produced from such tract by a well drilled on that tract.

16. Operations conducted pursuant to an order of the board approving these unit operations are deemed to constitute a fulfillment of all the express or implied obligations for each lease covering the lands in the unit area.

17. The portion of the unit production allocated to each tract within the unit and the proceeds from the sale are the property and income of the several owners, subject to the royalty rights of royalty owners, to whom or to whose credit they are allocated or payable under the unit agreement, plan of unitization, and unit operating agreement.

18. All real and personal property acquired in the conduct of unit operations will be acquired for the account of the owners within the unit area and will be the property of the owners in the proportion that the expenses of unit operations are charged.

X  
1

19. Consenting owners shall be reimbursed for any nonconsenting owner's share of the cost of production from the drilling unit attributable to the nonconsenting owner's tract.

20. Each consenting owner is deemed to own and is entitled to receive, subject to royalty and similar obligations:

a. the share of the production of the well applicable to his or her interest in the drilling unit; and

b. his or her proportionate part of the nonconsenting owner's share of the production until costs are recovered.

21. Each nonconsenting owner is entitled to receive, subject to royalty or similar obligations, the share of the production of the well applicable to his or her interest in the drilling unit after the consenting owners have recovered from the nonconsenting owner's share of production the following amounts, less any cash contributions made by the nonconsenting owner:

a. 100% of the nonconsenting owner's share of the cost of surface equipment beyond the wellhead connections, including stock tanks, separators, treaters, pumping equipment, and piping;

b. 100% of the nonconsenting owner's share of the estimated cost to plug and abandon the well as determined by the board;

c. 100% of the nonconsenting owner's share of the cost of operation of the well commencing with first production and continuing until the consenting owners have recovered all costs; and

Y  
/  
d. an amount to be determined by the board but not less than 150% nor greater than 300% of the nonconsenting owner's share of the costs of staking the location, well site preparation, rights-of-way, rigging up, drilling, reworking, re-completing, deepening or plugging back, testing, and completing, and the cost of equipment in the well to and including the wellhead connections.

22. The nonconsenting owner's share of the costs specified is that interest which would have been chargeable to the nonconsenting owner had he or she initially agreed to pay his or her share of the costs of the well from commencements of the operation.

23. A reasonable interest may be charged.

24. If there is any dispute about costs, the board shall determine the proper costs.

25. If a nonconsenting owner's tract in the drilling unit is subject to a lease or other contract for the development of oil and gas, the consenting owners shall pay any royalty interest or other interest in the tract not subject to the deduction of the costs of production from the production attributable to that tract.

26. If a nonconsenting owner's tract in the drilling unit is not subject to a lease or other contract for the development of oil and gas, the nonconsenting owner shall receive as a royalty the average landowner's royalty attributable to each tract within the drilling unit. The royalty shall be:

a. determined prior to the commencement of drilling;  
and

X  
/

b. paid from production attributable to each tract until the consenting owners have recovered the costs specified.

27. The unit operator will furnish the nonconsenting owners with monthly statements specifying:

- a. costs incurred;
- b. the quantity of oil or gas produced; and
- c. the amount of oil and gas proceeds realized from the sale of the production during the preceding month.

28. When the consenting owners recover from a nonconsenting owner's relinquished interest the amounts provided for:

a. the relinquished interest of the nonconsenting owner shall automatically revert to him or her;

b. the nonconsenting owner shall from that time:

i. own the same interest in the well and the production from it; and

ii. be liable for the further costs of the operation as if he or she had participated in the initial drilling and operation; and

c. costs are payable out of production unless otherwise agreed between the nonconsenting owner and the operator.

29. In any circumstance where the nonconsenting owner has relinquished his or her share of production to consenting owners or at any time fails to take his or her share of production in-kind when he or she is entitled to do so, the nonconsenting owner is entitled to:

a. an accounting of the oil and gas proceeds applicable to his or her relinquished share of production; and

b. payment of the oil and gas proceeds applicable to that share of production not taken in-kind, net of costs.

C. Underground Injection of Water.

1. Petitioner has previously submitted to the Division, the BLM, and the USEPA its underground injection control permit application on October 20, 1992, for the Coyote Basin Water Flood Project. Said permit application is incorporated by reference.

2. Petitioner intends to utilize the Balcron Coyote Federal #42-6X to inject water into the Green River Formation from 4,527 feet to 4,535 feet, from 4,546 feet to 4,548 feet, and from 4,556 feet to 4,574 feet at the rate of 200 barrels of water per day and at a pressure of 2,000 psig.

3. The water for injection will be supplied from the Coyote Basin 32-6 well, located in SW $\frac{1}{4}$ NE $\frac{1}{4}$ , S6, T8S, R25E, S.L.B.&M. This well will produce water from the Green River Formation through perforations at 3,108 feet to 3,154 feet. An analysis of this water is enclosed at Exhibit "G" attached hereto.

4. Petitioner has previously submitted, under separate cover, a copy of the application for water flood permit which was submitted to the United States Environmental Protection Agency for approval on October 20, 1992, with copies also supplied to the Division and to the Bureau of Land Management.



5. Petitioner believes and alleges that the proposed secondary recovery project is in the public interest, promotes conservation, is protective of correlative rights and is reasonably necessary to increase the ultimate recovery, and will prevent the waste of oil and gas.

6. The addition of an artificial water drive mechanism through water injection will significantly increase ultimate recovery from the proposed Coyote Basin Unit.

7. There are no shallow fresh water zones in this area.

8. The subject well will be equipped with tubing, injection packer and the casing/tubing annulus will be loaded with a corrosion inhibiting fluid. Petitioner shall test the tubing/casing annulus to 2,000 psi. The injection system will be equipped with pressure safety switches and the well will be monitored on a regular basis.

9. The operator of the proposed water flood project is Petitioner.

#### REQUEST FOR RELIEF

1. As to the proposed plan of unitization and proposed operating plan, Petitioner believes and therefore alleges and requests the Board to find:

a. The material averments of this Petition are true and correct.

b. The proposed plan of unitization and operating plan are feasible, will prevent waste and can be reasonably expected to

increase the ultimate recovery of oil and gas, and the value thereof can be reasonably expected to exceed the estimated additional costs incident to conducting unit operations.

c. The oil and gas allocated to each separately-owned tract within the unit area under the proposed plan of unitization represents, so far as can be practically determined, each such tract's just and equitable share of the oil and gas in the unit area.

d. The proposed plan of unitization and proposed operating plan are in the public interest, and will promote conservation, protect correlative rights, and are reasonably necessary to increase ultimate recovery and to prevent waste of oil and gas.

e. As to owners who have not executed the operating agreement or agreed to the proposed plan of unitization, that such plan:

i. makes a fair and equitable adjustment among the owners within the unit area for their respective investments in wells, tanks, pumps, machinery, materials, equipment, and other things and services of value which are attributable to unit operations;

ii. provides a fair and equitable determination of the cost of unit operations, including capital investments, and establishes a fair and equitable method for allocating such costs to the separately-owned tracts and for payment of

such costs by the owners of such tracts, either directly or out of such owner's respective share of unit production;

iii. establishes, if necessary, a fair and equitable method for carrying or otherwise financing any owner who elects to be carried, or otherwise financed, allowing a reasonable interest charge for such service payable out of such owner's share of unit production; and

iv. provides that each owner shall have a vote in the supervision and conduct of unit operations corresponding to the percentage of the costs of unit operations chargeable against the interest of such owner.

2. In support of this Petition, Petitioner incorporates its application for injection well (UIC Form 1) attached hereto as Exhibit "F" and by this reference specifically incorporated herein.

3. Injection into the proposed zone will not initiate vertical fractures into or through the overlying strata which could enable the injected fluids or formation fluids to enter any fresh water strata because no fresh water zones exist, and the manner in which the wells have or will be completed.

4. No unplugged wells exist which will allow the migration of the injected fluids or formation fluids to enter any fresh water strata.

5. The maximum proposed daily injection rate will not exceed 200 BWPD per injection well and the maximum proposed injection pressure is 2,000 psig.

6. The fluids to be injected will come from recycled and treated produced water and a source well which is located in the SW¼NE¼ of S6, T8S, R25E, S.L.B.&M. The source well will be used for makeup water.

7. Analysis of injection fluids from representative wells and the produced water is presented in Exhibit "G" attached hereto and by this reference specifically incorporated herein.

8. A study addressing the feasibility of water flooding the proposed unit will be submitted as an exhibit in accordance with R.641-105-500.

WHEREFORE, Petitioner respectfully requests as to the secondary recovery program by water flood and the involuntary unitization and the unit operation of the Coyote Basin Unit, that this matter be set for hearing on May 26, 1993, that notice of such hearing be given as provided by law, and that upon evidence produced at the hearing, for an order from the Board:

1. Providing for and approving the unitized management, operation, and development of the Green River Formation in the Coyote Basin Field as a common source of supply;

2. Authorizing the proposed water flood project for the Green River Formation in the Coyote Basin Field as applied for herein;

3. Approving the proposed plan of unitization and proposed operating plans for the Coyote Basin Unit;

4. Providing for the pooling of all consenting and nonconsenting interests for the common development and operation of

the unit area under the terms and conditions of the unit agreement and unit operating agreement attached hereto as Exhibit "E";

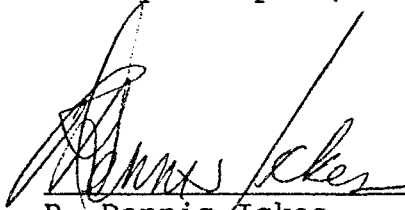
5. Authorizing the operator to convert Balcron Coyote Federal #42-6X well from a producing well to a water injection well, and drill additional water injection wells, and abandon water injection wells in the unit, upon obtaining all necessary approvals as required by law;

6. Making such findings and orders in connection with this Petition as it deems necessary; and

7. Providing for such other and further relief as may be just and equitable under the circumstances.

FURTHER, Petitioner respectfully requests that the matter of converting the Balcron Coyote Federal #42-6X well into an injection well also be set for hearing on May 26, 1993, that notice of such hearing be given as provided by law, and for an order by the Board approving the injection of water into the Green River Formation within the Coyote Basin Unit through the Balcron Federal #42-6X well.

RESPECTFULLY submitted this 12th day of April, 1993.



R. Dennis Ickes  
Robert P. Faust  
of NIELSEN & SENIOR, P.C.  
Attorneys for Petitioner  
60 East South Temple, #1100  
Salt Lake City, Utah 84111  
Telephone: (801) 532-1900

BEFORE THE BOARD OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH

---oo0oo---

IN THE MATTER OF THE PETITION	:	FINDINGS OF FACT,
OF BALCRON OIL DIVISION OF	:	CONCLUSIONS OF LAW,
EQUITABLE RESOURCES ENERGY	:	AND ORDER
COMPANY FOR AN ORDER APPROVING	:	
THE PETITIONER'S APPLICATION	:	DOCKET NO. 93-010
FOR ESTABLISHMENT OF UNIT	:	
BOUNDARIES, APPROVAL OF UNIT	:	CAUSE NO. 129-7
OPERATIONS, AND FOR UNDER-	:	
GROUND INJECTION OF WATER	:	
FOR SECONDARY RECOVERY IN	:	
THE GREEN RIVER FORMATION	:	
IN TOWNSHIPS 7 AND 8 SOUTH,	:	
RANGES 24 AND 25 EAST,	:	
S.L.B. & M., UINTAH COUNTY,	:	
UTAH	:	

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This matter came on regularly for hearing before the Board of Oil, Gas and Mining ( the "Board") on Wednesday, May 26, 1993, in the Boardroom of the Division of Oil, Gas and Mining at 355 West North Temple, 3 Triad Center, Suite 520, Salt Lake City, Utah.

The following Board members were present:

Dave D. Lauriski, Chairman  
Kent G. Stringham  
Jay L. Christensen  
Judy F. Lever  
Thomas B. Faddies

Staff members of the Division of Oil, Gas and Mining (the "Division") present and participating in the hearing were James W. Carter, Director; R. J. Firth, Associate Director Oil and Gas; Frank Matthews, Petroleum Engineer; Brad Hill, Petroleum Geologist. Thomas A. Mitchell, Esq., Assistant Attorney General was present representing the Division. The Bureau of Land

Management was represented by Robert A. Henricks, Chief, Branch of Fluid Minerals. The Petitioner, Equitable Resources Energy Company, Balcron Oil Division ("Balcron"), was represented by R. Dennis Ickes, Esq. and Robert P. Faust, Esq., of Nielsen & Senior, P.C. Testifying on behalf of Balcron was Stephen Durrett, Engineering Manager; D. Gary Kabeary, Senior Landman; and Steve VanDelinder, Production Geologist.

NOW, THEREFORE, the Board having fully considered the Petition, with exhibits, the oral testimony and documentary evidence presented at the hearing, hereby enters its Findings of Fact, Conclusions of Law, and Order as follows:

#### FINDINGS OF FACT

1. Notice of the May 26, 1993 hearing was mailed to all interested parties on April 12, 1993, and was published in the Salt Lake Tribune and Deseret News on May 12, 1993, and in the Vernal Express on May 12, 1993.
2. Copies of the Petition (Request for Agency Action) filed with the Board on April 12, 1993, were mailed to all interested parties and to all operators or owners and surface owners within a one-half ( $\frac{1}{2}$ ) mile radius of the proposed project.
3. Petitioner has previously submitted, under separate cover, a copy of the application for water flood permit which was submitted on October 20, 1992, to the United States Environmental Protection Agency for approval, with copies also supplied to the Division and to the Bureau of Land Management.

4. Balcron is a corporation in good standing and duly qualified to do business in Utah, and is financially able to complete the project.

5. The Board has jurisdiction over the parties and the subject matter of this Petition, pursuant to Utah Code Ann. § 40-6-1 et seq., and Utah Admin. R. 649-1 et seq.

6. Petitioner is engaged in forming a unit for the purposes of conducting secondary recovery operations in the Green River Formation in the Coyote Basin Field, by converting one producing well, the Balcron Coyote Federal #42-6X, to an enhanced recovery/injection well in the SE $\frac{1}{4}$  of the NE $\frac{1}{4}$ , Section 6, Township 8 South, Range 25 East, Uintah County, Utah.

7. The Coyote Basin Unit will consist of approximately 2,801.54 acres in Uintah County, Utah. Petitioner has provided a specific legal description and a list of all oil and gas owners for each separate tract to the Unit Agreement, together with a Unit Agreement and Plan of Unitization and a Unit Operating Agreement, to the Board.

8. Petitioner has submitted the names and addresses of each operator and/or mineral and surface owner as shown by the official records, of each separate tract of land within the proposed unit area, including each person owning a fee, leasehold, mineral or royalty interest, mortgagees or owners of liens or encumbrances, and all persons owning an interest in the oil and gas or production therefrom.



9. Petitioner has submitted the names and addresses of each operator and mineral and surface owner, shown by the official records of all government quarter sections or lots equivalent thereto directly or diagonally offsetting the proposed unit area and within one-half ( $\frac{1}{2}$ ) mile of the injection well, including each person owning a fee, leasehold, mineral or royalty interest, mortgagees and owners of other liens and encumbrances, and all persons owning an interest in the oil and gas production therefrom.

10. A plat showing the location of the injection well and all abandoned or active wells within a one-half mile radius of the proposed injection well and showing the surface ownership and names of operators of lands or producing leases within a one-half mile radius was provided.

11. A plat showing all wells and proposed injection wells in the project area and within a one-half mile radius of the project area was provided.

12. Copies of electrical or radioactive logs, including gamma ray logs, as well as copies of the cement bond log for the proposed well, was provided in the engineering report or the EPA report.

13. The names, description and depth of any pools to be affected and a description of the pools from which the identified wells are producing or have produced has been provided.

14. A copy of a log from a representative well was provided.

15. Petitioner is the lessee of record for all or part of 1,830.19 acres of the 2,801.54 acres within the Unit (65.328%), and is a working interest owner in 1,902.54 acres comprising 67.91%.

16. The statement of the nature of the operations is set forth in the EPA Report and Engineering Report and is incorporated herein by reference. The Unit shall cover the area described in Exhibit "B" to the Petition, which is incorporated herein by reference.

17. On March 24, 1993, Petitioner invited each of the working interest owners within the proposed unit area to a meeting that was held on April 1, 1993, at 10:00 o'clock a.m. at the offices of the Petitioner at 1601 Lewis Avenue Building in Billings, Montana, sending to each such party a notice by either air courier or by certified mail. The working interest owners were also provided with a copy of the proposed unit agreement, a proposed unit operating agreement, and six copies of ratification and joinder of unit and unit operation agreements.

18. On April 1, 1993, more than seventy percent (70%) of the working interest owners of the proposed unit area were present in person or by their respective representative at a meeting requested by Balcron. More than seventy percent (70%) of the working interest owners have executed the Ratification and Joinder of Unit and Unit Operating Agreement. More than seventy percent (70%) of the royalty interests created by the basic leases have signed or ratified the Unit Agreement, or if they

have not, will have within six (6) months from the date of this Order providing for the Unit operations.

19. More than 70% of the working interest owners have voted to designate Equitable Resources Energy Company, Balcron Oil Division as the unit operator, to which it has consented and has accepted the duties and obligations of unit operator.

20. There are twenty-eight (28) working interest owners within the unit, including Petitioner.

21. There are twenty-three (23) tracts within the unit with twenty-three (23) wells from which there is production of 5,576 STBOPM as of January, 1993. The estimated remaining primary reserves are 633,433 STBO, with the ultimate primary recovery of 1,966,036 STBO. Each of the twenty-three (23) tracts is allocated into a tract participation factor totalling 100% for all twenty-three (23) tracts.

22. Petitioner shall utilize the Balcron Coyote Federal #42-6X to inject water into the Green River Formation from 4,527 feet to 4,535 feet, from 4,546 feet to 4,548 feet, and from 4,556 feet to 4,574 feet at a maximum rate of 250 barrels of water per day and at a maximum pressure of 1,800 psig, or the maximum safe injection pressure determined from a step rate test.

23. The Engineering and Geological Report dated April 28, 1993, which was submitted as an exhibit, clearly indicates that injection into the proposed zone will not initiate fractures through the overlying strata which could enable the injected fluids or formation fluids to enter any fresh water strata

because no fresh water zones exist, and the manner in which the wells have been or will be completed. The Report also indicates appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth and lateral extent.

24. No unplugged wells exist which will allow the migration of the injected fluids or formation fluids to enter any fresh water strata, as evidenced by a review of the mechanical condition of each well within a one-half mile radius of the proposed injection well.

25. There are no shallow fresh water zones in this area.

26. The source of fluids to be used as injection fluid for the project will come from recycled and treated produced water and a source well (Balcron Coyote Basin 32-6 well) which is located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$  of Section 6, Township 8 South, Range 25 East, S.L.B & M. The source well will be used for makeup water. Water will be produced from the Green River Formation through perforations at 3,108 feet to 3,154 feet.

27. The maximum requested injection pressure of 1,800 psi, or pressure approved by the EPA, will not be exceeded. The maximum injection rate will be 250 barrels of water per day. An analysis of this water was provided, indicating that the water is suitable for injection or re-injection.

28. The addition of an artificial water drive mechanism through water injection will significantly increase ultimate recovery from the proposed Coyote Basin Unit.

29. The subject well will be equipped with tubing, injection packer and the casing/tubing annulus will be loaded with a corrosion inhibiting fluid. Petitioner shall test the tubing/casing annulus to 500 psi. The injection system will be equipped with pressure safety switches and the well will be monitored on a regular basis.

30. The unit agreement provides for working interest owners:

- a. Allocating the separately-owned tracts in the unit area of all the oil and gas production from within the unit area in accordance with the agreement of the interested parties;
- b. Charging unit operations and adjusting their respective investment in wells, tanks, pumps, machinery, materials, equipment, and other things, and services of value attributable to the unit operations;
- c. Determining and charging the costs of unit operations, including capital investment, to the separately-owned tracts and determining how those costs will be paid, including providing a procedure for the unit production allocated to an owner who does not pay the cost of unit operations charged to such owner, or the interests of such owner, and advising them of the conditions under which the interests may be sold and the proceeds applied to the payment of such costs;

- d. Authorizing the operator of the unit to have a first and prior lien for costs incurred pursuant to the plan of unitization upon each owner's oil and gas rights and his share of unitized production to secure the payment of such owner's proportionate part of the cost of developing and operating the unit area;
- e. Allocating a percentage vote corresponding to the percentage of the costs of unit operations chargeable against the interest of the owner; and
- f. Carrying or otherwise financing any owner who elects to be carried or otherwise financed, allowing a reasonable interest charge for such service payable out of such owner's share of the production.

31. The unitization of tracts 15, 16, and 17 are presently committed to the following communitization agreements: NW-203, effective October 1, 1967; CR-205, effective November 1, 1982; and UTO80P49-35C699, effective December 10, 1984. Effective May 20, 1993, said communitization agreements were terminated and their lands merged into the unit with the approval of the United States Bureau of Land Management.

32. Unit Operations may commence at any time after May 26, 1993, and shall continue so long as the unit agreement remains in effect and thereafter until all unit wells have been abandoned and plugged or turned over to working interest owners, all unit equipment and real property acquired for the joint account have

been disposed of by the unit operator, and there has been a final accounting.

33. The unit area is located within an area covered by the Board's Spacing Order No. 129-1 dated September 13, 1967, and Order No. 129-6 on June 18, 1992.

#### CONCLUSIONS OF LAW

1. Due and regular notice of the time, place and purpose of the May 26, 1993 hearing as requested in the Petition filed on April 21, 1993, was given to all interested parties and all owners or operators and surface owners within one-half ( $\frac{1}{2}$ ) mile of the project area and injection wells.

2. The Board has jurisdiction over all matters covered by the Petition and the information provided to the Division, Board and Bureau of Land Management prior to the hearing.

3. The Unit is underlain by a common pool and a common source of supply of oil. The estimated additional recovery of oil or gas substantially exceeds the estimated additional cost incident to conducting the operations and such operation is reasonable and necessary for the purposes of Utah Code Ann. § 40-6-8 (as amended).

4. The Board finds that there are appropriate provisions in the unit agreement and plan of unitization for carrying on the unit operations, and for the protection of correlative rights.

5. Unit operations may be conducted on less than the whole of the unit for the reason that the unit area is of such size and shape as to make operations on the whole inappropriate from time

to time. Such operations on less than the whole will be conducted so as not to have adverse effects upon other portions of the unitized pool.

6. Operations upon any portion of the unit will be considered as operations upon each separately-owned tract within the unit area. Portions of the unit production allocated to a separately-owned tract in a unit area shall, when produced, be treated as having been produced from such tract by a well drilled on that tract.

7. Operations incident to the drilling of a well or operation of a well upon any portion of the unit area covered by this order shall be deemed for all purposes to be the conduct of the operations upon each separately owned tract within the unit area by the several owners.

8. Operations conducted pursuant to this order of the Board approving these unit operations are deemed to constitute a fulfillment of all the express or implied obligations for each lease covering the lands in the unit area.

9. The portion of the unit production allocated to any tract within the unit and the proceeds from the sale are the property and income of the several owners, subject to the royalty rights of royalty owners, to whom or to whose credit they are allocated or payable under the unit agreement, plan of unitization, and unit operating agreement.

10. The agreement also provides for the allocation to the separately owned tracts in the unit area of all the oil and gas



that is produced from the unit area and is saved, being the production that is not used in the conduct of operations on the unit area or not unavoidably lost. The allocation shall be in accord with the agreement of the interested parties.

11. No Division order or other contract relating to the sale or purchase of production from a separately owned tract shall be terminated by this order providing for unit operations, but shall remain in force and apply to oil and gas allocated to such tract until terminated in accordance with the provisions thereof.

12. Effective May 20, 1993, communitization agreements NW-203 effective October 1, 1967, CR-205 effective November 1, 1982, and UTO80P49-35C699 effective December 10, 1984, were terminated and their lands merged into the unit.

13. Spacing Order No. 129-1, dated September 13, 1967, and Order No. 129-6, dated June 18, 1992, issued by the Board, are vacated with respect to the unit area.

14. The proposed secondary recovery project is in the public interest, promotes conservation, is protective of correlative rights, and is reasonably necessary to increase the ultimate recovery, will prevent the waste of oil and gas and the value thereof can be reasonably expected to exceed the estimated additional costs incident to conducting unit operations.

15. The project as proposed will not prevent further recovery of additional oil reserves within the area in the event the project is expanded to include additional acres.

16. The project is financially feasible and will increase revenue to the interest owners and the state.

ORDER

It is therefore Ordered that:

1. Balcron's Petition and Exhibits received at or prior to the hearing are hereby received into evidence.

2. Effective May 20, 1993, communitization agreements NW-203, CR-205 and UTO80P49-35C699 were terminated and their lands merged into the unit.

3. The operation of the unit area under the terms and conditions of the unit agreement and unit operating agreement in the Green River Formation in the Coyote Basin Field are hereby authorized and approved, effective May 26, 1993.

4. The water flood project for the Green River Formation in the Coyote Basin Field as applied for herein is hereby authorized and approved, including:

- a. The underground injection well and project providing for the injection of water into the wells through selective intervals;
- b. Balcron Coyote Federal #42-6X well may be converted from a producing well to a water injection well;
- c. Balcron may drill additional water injection wells and wells necessary to recover unitized substances, upon obtaining all necessary permits;
- d. Prior to such water injection, all perforated

intervals will be mechanically isolated so as to prevent water injection into unauthorized intervals;

- e. Copies of cement bond logs for all proposed injection wells will be furnished to the Division;
- f. Mechanical integrity tests will be conducted on all proposed injection wells in accordance with the applicable rules; and
- g. Compliance with all applicable statutes and rules pertaining to this project is required.

5. Spacing Order No. 129-1, dated September 13, 1967, and Order No. 129-6, dated June 18, 1992, issued by the Board are vacated with respect to all acreage covered by these Orders which are within the Unit boundaries.

6. The terms and conditions as set forth in the Findings of Fact and Conclusions of Law are incorporated herein.

7. The application for injection well (UIC Form 1) attached as Exhibit "F" to the Petition is approved.

8. Balcron shall furnish bond as a responsible operator of existing wells.

9. The Board retains jurisdiction over the subject matter and the parties for purposes of considering any amendments or revisions to the project and the affected lands.

ISSUED AND SIGNED this 10<sup>th</sup> day of June, 1993.

STATE OF UTAH  
BOARD OF OIL, GAS AND MINING



Dave D. Lauriski, Chairman

**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM**

**PERMIT  
DECISION DOCUMENT**

**Applicant:** Balcron Oil

**Well:** Waterflood Project 1 well

**Location:** Coyote Basin, Uintah County

**Ownership Issues:** The proposed waterflood project is made up of 2801.54 total acres. The State of Utah owns 240 acres within the project area with the remaining 2561.54 acres being administered by the BLM. Balcron Oil holds leases on approximately 65% of the project acreage, Cochrane Resources holds approximately 14%, G.W. McDonald has about 10% and the remainder is split between 23 companies and individuals.

**Well Integrity:** All existing wells seem to have adequate casing and cement. The single injection well will need to be pressure tested at the time of conversion.

**Ground Water Protection:** The base of moderately saline water is at a depth of approximately 4500' feet in the area of the project. There are no important USDW's in the area. Any shallow fresh water zones should be adequately protected.

**Oil/Gas & Other Mineral Resources Protection:** The Balcron maps of the secondary recovery interval seem to be a reasonable interpretation of the subsurface geology in this area and indicate that no adverse effects should occur, to acreage outside of the unit, as a result of this waterflood.

**Bonding:** The injection well is on a federal lease and the bond is held by the BLM.

**Actions Taken and Further Approvals Needed:** This waterflood project needs approval from the Board of Oil, Gas and Mining. A MIT shall be performed at the time of conversion to injection.

BGH  
Reviewer

5-24-93  
Date



## United States Department of the Interior

Post-It™ brand fax transmittal memo 7671

# of pages 2

To: John Zellitti	From: Alan Walker
Co: Balcron	Co: BLM
Dept:	Phone #: 801-889-1362
Fax #: 406-245-1361	Fax:

MANAGEMENT

Office

10 East

84078

FAX (801) 789-3834

IN REPLY REFER TO:

MECHANICAL INTEGRITY PRESSURE TEST  
CASING/TUBING ANNULUSLease No. U-017439-BCompany Name: BalcronDate: 3-14-94Well Name: 42-6XPermit No. 43-047-32346Field Name: Poyote BasinCounty: UtahWell Location: SE NE Sec 6T 8 S R 25 EWell Type: SWD ER 2H

Other:

Type of Packer: 5 1/2" Arrow Set -1Total Depth: 4700'Packer Set at (depth): 4492

FT

Surface Casing Size: 8 5/8From: Surface FT to 262' FTCasing Size: 5 1/2 16.5" T-55From: Surface FT to 4700' FTTubing Size: 2 3/8Tubing Pressure during Test:        psigTime of Day: 2:45 am/pm

Fluid in Annulus:

	Test #1		Test #2	
0 Min:	<u>780</u>	psig	<u>      </u>	psig
5	<u>780</u>	psig	<u>      </u>	psig
10	<u>780</u>	psig	<u>      </u>	psig
15	<u>780</u>	psig	<u>      </u>	psig
20	<u>780</u>	psig	<u>      </u>	psig
25	<u>780</u>	psig	<u>      </u>	psig
30	<u>780</u>	psig	<u>      </u>	psig
35	<u>775</u>	psig	<u>      </u>	psig
40	<u>775</u>	psig	<u>      </u>	psig
45	<u>775</u>	psig	<u>      </u>	psig
50	<u>775</u>	psig	<u>      </u>	psig
55	<u>775</u>	psig	<u>      </u>	psig
60	<u>775</u>	psig	<u>      </u>	psig

Test Conducted by: Scott Baese BalcronInspected by: Alan Walker BLMOthers Present: Action Hot oil Service

**EQUITABLE RESOURCES  
ENERGY COMPANY****BALCRON OIL DIVISION**1601 Lewis Avenue  
P O Box 21017  
Billings, MT 59104Office: (406) 259-7860  
FAX: (406) 245-1365  
FAX: (406) 245-1361**TELECOPIER TRANSMITTAL SHEET**

Our telecopier number is: (406) 245-1361

DATE: 3-16-94  
TO: Dan Jarvis  
COMPANY: Utah state OG & M  
FROM: Balcron oilTotal Number of Pages 3 (Including this cover sheet)IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL BACK AS SOON  
AS POSSIBLE AT (406) 259-7860.TELECOMMUNICATOR: 801-359-3940SPECIAL INSTRUCTIONS: Coyote Basin Unit  
MIT results for the East Redwash #2-5  
and Balcron Coyote #42-6X

NOTE: THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS PRIVILEGED AND CONFIDENTIAL, AND IS INTENDED ONLY FOR THE USE OF THE INDIVIDUALS OR ENTITY NAMED ABOVE WHO HAVE BEEN SPECIFICALLY AUTHORIZED TO RECEIVE IT. IF THE READER IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN ALL PAGES TO THE ADDRESS SHOWN ABOVE. THANK YOU.



# United States Department of the Interior

Post-It™ brand fax transmittal memo 7571

# of pages: 2

To: <u>John Zellitti</u>	From: <u>Alan Walker</u>
Co: <u>Balcoron</u>	Co: <u>BLM</u>
Dept:	Phone: <u>801-889-1362</u>
Fax: <u>406-245-1361</u>	Fax:

MANAGEMENT

Office

10 East

84078

FAX (801) 789-3834

IN REPLY REFER TO:

## MECHANICAL INTEGRITY PRESSURE TEST CASING/TUBING ANNULUS

Lease No. U-017439-13Company Name: BalcoronDate: 3-14-94Well Name: 42-6XPermit No. 43-047-32346Field Name: Coyote BasinCounty: UtahWell Location: 3E NE Sec 6T 8 S R 25 EWell Type: SWD ER 2H

Other:

Type of Packer: 5 1/2" Arrow Set -1Total Depth: 4700'Packer Set at (depth): 4492 FTSurface Casing Size: 8 5/8 From: Surface FT to 262' FTCasing Size: 5 1/2 15.5" J-55 From: Surface FT to 4700' FTTubing Size: 2 3/8 Tubing Pressure during Test:        psigTime of Day: 2:45 am/pm

Fluid in Annulus:

	Test #1	Test #2
0 Min:	<u>780</u> psig	<u>      </u> psig
5	<u>780</u> psig	<u>      </u> psig
10	<u>780</u> psig	<u>      </u> psig
15	<u>780</u> psig	<u>      </u> psig
20	<u>790</u> psig	<u>      </u> psig
25	<u>780</u> psig	<u>      </u> psig
30	<u>780</u> psig	<u>      </u> psig
35	<u>775</u> psig	<u>      </u> psig
40	<u>775</u> psig	<u>      </u> psig
45	<u>775</u> psig	<u>      </u> psig
50	<u>775</u> psig	<u>      </u> psig
55	<u>775</u> psig	<u>      </u> psig
60	<u>775</u> psig	<u>      </u> psig

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59103 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NE Section 6, T8S, R25E

1987' FNL, 682' FEL

5. Lease Designation and Serial No.

U-017439-B

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Coyote Basin Unit

8. Well Name and No.

Balcron Coyote Federal #42-6X

9. API Well No.

43-047-32346

10. Field and Pool, or Exploratory Area

Coyote Basin/Green River

11. County or Parish, State

Uintah County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other convert to injection  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Operator requests approval to convert this well to injection in accordance with the attached proposal.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 3-16-94  
BY: [Signature]

MAR 14 1994

14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman

Coordinator of Environmental  
and Regulatory Affairs

Date

March 11, 1994

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date



Coyote Basin Unit  
Unitah County, Utah  
Attachment to Sundry Notices for Water Injection.

NOTE: This attachment is the same for both of the following wells.

Equitable Resources Energy Company, Balcron Oil Division is requesting approval to convert the following wells to water injection:

East Red Wash Federal #2-5	NW NW Section 5, T8S, R25E
Balcron Coyote Federal #42-6X	SE NE Section 6, T8S, R25E

The wells have been approved by the U. S. Environmental Protection Agency for water injection under the EPA Area Permit #UT2653-00000. The wells have been converted for injection by setting injection packers just above the existing perforations in the Douglas Creek Member of the Green River Formation. The casing annulus was filled with Champion packer fluid (Cortron #23-83) mixed with 60 STB of fresh water. The backsides were then tested to 600 psig for mechanical integrity; however, the test was not witnessed by the BLM and will be repeated prior to starting water injection. Refer to the attached well reports and injection well completion diagrams for specific well information.

The East Red Wash Federal #2-5 well did not have a cement bond log and the Utah State Oil, Gas, and Mining requested that we verify that there is no communication in the casing annulus above the proposed water injection zones. On February 22, 1994, a tracer survey was performed by Production Logging Service which confirmed that the wellbore casing annulus was competent. Refer to the attached temperature and tracer survey log for details.

All water injection facilities (injection plant and lines) have been install in accordance with approval from the Vernal BLM office. Injection water for this proposed pilot waterflood will be pumped from the existing Coyote Basin Federal #32-6 water supply well which is completed in an upper water-bearing sand of the Green River formation and will be commingled with water produced from oil wells of the Coyote Basin Unit. It is proposed to inject approximately 250 STBWPD into each water injection well. Refer to the attached water analysis for produced and make-up water.

**BALCRON OIL****WELL REPORT**

WELL NAME: Coyote Basin Federal #42-6X  
 FIELD: Coyote Basin  
 FEDERAL LEASE NO.: U-017439-B  
 LOCATION: SE NE Sec.6,T8S,R25E  
 COUNTY/STATE: Uintah,Utah  
 WORKING INTEREST: 0.64294996  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 9-15-92  
 INITIAL PRODUCTION: 7 STBOPD,3 MSCFPD,13.5 STBWPD  
 OIL/GAS PURCHASER: Amoco/Universal  
 PRESENT PROD STATUS: Shut In/Converted to injection.  
 ELEVATIONS - GROUND: 5601'  
 TOTAL DEPTH: 4700'KB

DATE: 3-9-94 JZ

API NO.: 43-047-32346

NET REVENUE INT.: 0.56365010

SPUD DATE: 8-12-92

OIL GRAVITY: 34 API

BHT: 112 Deg.F

KB: 5611'(10'KB)

PLUG BACK TD: 4655'KB

**SURFACE CASING****PRODUCTION CASING**

-----  
 STRING: 1  
 CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 lbs  
 LENGTH: 252'  
 DEPTH LANDED: 262'KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 190 sx, Class "G"  
 Cemented to surface.

-----  
 STRING: 1  
 CSG SIZE: 5 1/5"  
 GRADE: J-55  
 WEIGHT: 15.5 lbs  
 LENGTH: 102 joints @ 4690'  
 DEPTH LANDED: 4700'KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 194 sx, Class "G"  
 142 sx, 50/50 poz  
 CEMENT TOP AT: 1760'KB from CBL

INJECTION EQUIPMENT & SIZE	LENGTH FT.	SETTING DEPTH (W/10'KB)FT.
1) 141 jts 2 7/8" tbg	4474'	10.00' KB
2) 2 7/8" SN(2.25" ID)	1.10'	4484.00' KB
3) 5.5" Arrow Set-1 Pkr	6.50'	4485.10' KB
End Of Tbg String		4491.60' KB

**PERFORATION RECORD**

-----  
 4527'- 4535'(8'@ 2 SPF)  
 4546'- 4548'(2'@ 2 SPF)  
 4556'- 4574'(18'@ 2 SPF)

**WELL TREATMENT**

-----  
 4527'- 4574',Breakdown w/Western on 9-1-92.  
 Load tbg w/24.5 bbls of 2% KCl water,pump 5.5 STB,  
 start dropping balls at rate of 3 per minute,avg.  
 flowrate 6.8 BPM @ 2400 psig,max. pressure @ 3600  
 psig,min @ 2000 psig,did not ball off,ISIP @ 1100  
 psig,15 min @ 800 psig.

**FRAC JOB**

-----  
 4527'- 4574',Frac w/Western on 9-3-92.  
 25,998 gal gel water w/61,600 lbs 20-40 sd.  
 Avg 35 BPM @ 1770 psig,max 2200 psig, ISIP  
 @ 1800 psig, 15 min @ 1260psig.

Injection Packers Set 2-3-94 By Basin Well Service.

2 7/8" SN w/2.25" ID.

Arrow Set-1 Pkr set w/10,000 lbs tension (? stretch).

Packer fluid,55 gals Champion Corton #23-83 w/60 STBW.

LOGS: Dual Induction-SFL,Natural Gamma Ray Spectrometry  
 Log,Compensated Neutron-Foramtion Density.

Coyote Basin Federal #42-6X  
SE NE Sec.6,T8S,R25E  
Lease No. U-017439-B  
Coyote Basin Field  
Uintah County,Utah

# Injection Well Completion Diagram

BALCRON OIL  
3-9-94 JZ

## SURFACE CASING

8 5/8",24#  
Length: 252'  
Landed @ 262'KB  
Cemented w/190 sx,Class "G"  
Cemented to surface.  
Hole Size - 12 1/4"

## PRODUCTION CASING

5 1/2",J-55,15.5#  
102 jts @ 4690'  
Landed @ 4700'KB  
Cemented w/194 sx, Class "G" &  
142 sx, 50/50 poz  
Cement Top @ 1760'KB from CBL  
Hole Size - 7 7/8"

- Uinta Formation Surface to 1730 ft.

INJECTION EQUIPMENT & SIZE	LENGT FT.	SETTING DEPTH (W/10'KB)FT.
-------------------------------	--------------	-------------------------------

- Green River Formation 1730 to 4800 ft.

1) 141 jts 2 7/8" tbg	4474'	10.00' KB
2) 2 7/8" SN(2.25" ID)	1.10'	4484.00' KB
3) 5.5" Arrow Set-1 Pkr	6.50'	4485.10' KB
End Of Tbg String		4491.60' KB

Injection Packers Set 2-3-94 By  
Basin Well Service.

2 7/8" SN w/2.25" ID.  
Arrow Set-1 Pkr set w/10,000 lbs tension.  
Packer fluid,55 gals Champion Cortron #23-83  
w/60 STBW.

## PERFORATION RECORD

4527' - 4535'(8'@ 2 SPF)  
4546' - 4548'(2'@ 2 SPF)  
4556' - 4574'(18'@ 2 SPF)

- Douglas Creek Member 4030 to 4800 ft.

PBTD @ 4655' KB

TD @ 4700' KB

- Wasatch Fm.Transition 4800 to 5000 ft.

- Wasatch Formation 5000 ft.



2060 SOUTH 1500 EAST  
VERNAL, UTAH 84078

Telephone (801) 789-4327

EXHIBIT - D  
WATER ANALYSIS REPORT

Report for: John Zellitti  
cc for: Steve Hanberg  
cc for:  
cc for:  
Company: Balcron Oil  
Address: P. O. Box 21017 Billings Montana 59104  
Service Engineer: Mike Angus  
Date Sampled: 9-11-92  
Date Reported: 9-11-92  
Location: East Red Wash 1-6  
County: Blaine  
State: Utah  
Submitted by: Mike Angus  
Other Info: - Produced Water Sample From The Green River Formation.

Chemical Component	mg per liter	meq per liter
Chloride (Cl) =	8200.	231.3
Iron (Fe) =	0.7	
Total Hardness (CaCO <sub>3</sub> ) =	200.	
Calcium (Ca) =	50.	2.5
Magnesium (Mg) =	19.	1.5
Bicarbonate (HCO <sub>3</sub> ) =	1415.	23.2
Carbonate (CO <sub>3</sub> ) =	96.	3.2
Sulfate (SO <sub>4</sub> ) =	1.	0.0
Hydrogen Sulfide (H <sub>2</sub> S) =	94	
Barium (Ba) =	38.6	
Sodium (Na) (calc.) =	5520.	253.1
Specific Gravity =	1.016	
Density (lb/gal) =	8.46	
pH (by meter) =	8.2	
Dissolved CO <sub>2</sub> (mg/l) =	0.	

OTHER DESCRIPTION, REMARKS AND RECOMMENDATIONS

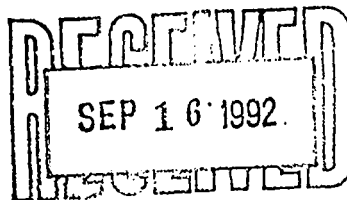
Scaling Index at 68 degrees F = +0.72  
Scaling Index at 86 degrees F = +0.96  
Scaling Index at 122 degrees F = +1.37  
Scaling Index at 158 degrees F = +1.88

Total dissolved solids (calculated) = 15638. mg per liter

Reported by William Curry Lab Technician  
William Curry



2060 SOUTH 1500 EAST  
VERNAL, UTAH 84078



107

Telephone (801) 789-4327

WATER ANALYSIS REPORT  
EXHIBIT - G

Report for: John Zellitti  
cc for: Steve Hanberg  
cc for:  
cc for:  
Company: Balcron Oil  
Address: P. O. Box 21017 Billings Montana 59104  
Service Engineer: Mike Angus  
Date Sampled: 9-11-92  
Date Reported: 9-11-92  
Location: Coyote Basin 32-6  
County: ~~Utah~~  
State: Utah  
Submitted by: Mike Angus  
Other Info: --- Water Supply Well (Green River Formation)

Chemical Component	mg per liter	meq per liter
Chloride (Cl) =	540.	15.2
Iron (Fe) =	1.6	
Total Hardness (CaCO <sub>3</sub> ) =	300.	
Calcium (Ca) =	76.	3.8
Magnesium (Mg) =	27.	2.2
Bicarbonate (HCO <sub>3</sub> ) =	634.	10.4
Carbonate (CO <sub>3</sub> ) =	0.	0.0
Sulfate (SO <sub>4</sub> ) =	8.	0.2
Hydrogen Sulfide (H <sub>2</sub> S) =	57.8	
Barium (Ba) =	Negligible	
Sodium (Na) (calc.) =	455.	19.8
Specific Gravity =	1.003	
Density (lb/gal) =	8.35	
pH (by meter) =	6.9	
Dissolved CO <sub>2</sub> (mg/l) =	53.	

OTHER DESCRIPTION, REMARKS AND RECOMMENDATIONS

Scaling Index at 68 degrees F = -0.17  
Scaling Index at 86 degrees F = +0.12  
Scaling Index at 122 degrees F = +0.51  
Scaling Index at 158 degrees F = +0.78

Total dissolved solids (calculated) = 1739. mg per liter

Reported by William Curry Lab Technician  
William Curry

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well  
☐ Oil Well ☐ Gas Well ☒ Other waterflood injection well

2. Name of Operator  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.  
P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SE NE Section 6, T8S, R25E  
1987' FNL, 682' FEL

5. Lease Designation and Serial No.  
U-017439-B

6. If Indian, Allottee or Tribe Name  
n/a

7. If Unit or CA, Agreement Designation  
Coyote Basin Unit

8. Well Name and No.  
Balcron Coyote Federal #42-6X

9. API Well No.  
43-047-32346

10. Field and Pool, or Exploratory Area  
Coyote Basin/Green River

11. County or Parish, State  
Uintah County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
- ☒ Subsequent Report
- ☐ Final Abandonment Notice

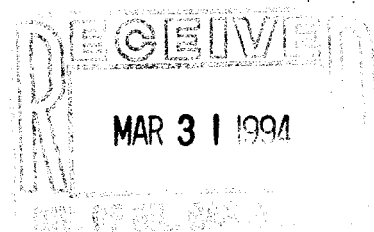
TYPE OF ACTION

- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing Repair
- ☐ Altering Casing
- ☒ Other 1st injection

- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-Off
- ☐ Conversion to Injection
- ☐ Dispose Water
- (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The first injection of water into this waterflood injection well was March 21, 1994.  
The source well is the Coyote Basin #32-6.



14. I hereby certify that the foregoing is true and correct

Regulatory and  
Environmental Specialist

Signed Bobbie Schuman  
(This space for Federal or State office use)

Title

Date

March 29, 1994

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

AUG 14 1995

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

See attached listing

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See attached listing

5. Lease Designation and Serial No.  
See attached listing

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Coyote Basin Unit

8. Well Name and No.

See attached listing

9. API Well No. 43-047-32346  
See attached listing

10. Field and Pool, or Exploratory Area

Coyote Basin/Green River

11. County or Parish, State

Uintah County, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other site security diagrams  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached are revised site security diagrams for the wells on the attached list.

ORIGINAL: Bureau of Land Management (Vernal, UT)  
COPY: Utah Division of Oil, Gas and Mining

14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman

Title

Regulatory and  
Environmental Specialist

Date

August 11, 1995

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

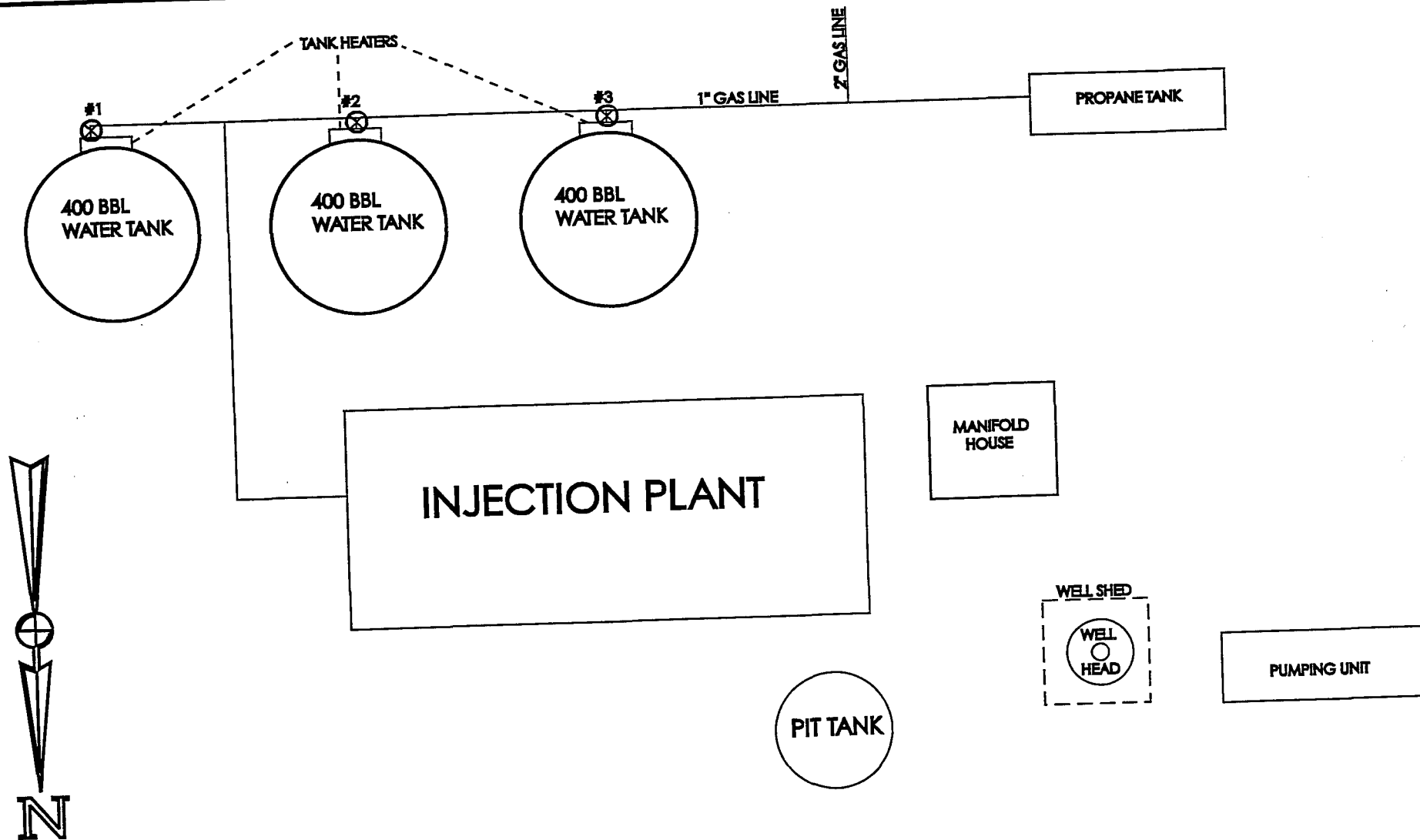
\*See Instruction on Reverse Side

WELL NAME	FIELD	LOCATION				COUNTY		STATUS	FORMATION	LEASE #	API #	FOOTAGES	UNIT
Amerada Guinand #1	Coyote Basin	SW NW	7	8S	25E	Uintah	UT	WIW	Green River	U-016271-V	43-047-20245	1920' FNL, 550' FWL	Coyote Basin
Balcron Coyote Fed. #12-5	Coyote Basin	SW NW	5	8S	25E	Uintah	UT	OSI	Green River	U-063597-A	43-047-32253	1980' FNL, 660' FWL	Coyote Basin
Balcron Coyote Fed. #13-5	Coyote Basin	NW SW	5	8S	25E	Uintah	UT	Oil	Green River	U-063597-A	43-047-32261	1605' FSL, 586' FWL	Coyote Basin
Balcron Coyote Fed. #13-7	Coyote Basin	NW SW	7	8S	25E	Uintah	UT	Oil	Green River	U-41377	43-047-32255	1980' FSL, 660' FWL	Coyote Basin
Balcron Coyote Fed. #21-5	Coyote Basin	NE NW	5	8S	25E	Uintah	UT	Oil	Green River	U-063597-A	43-047-32260	660' FNL, 1980' FWL	Coyote Basin
Balcron Coyote Fed. #22-7	Coyote Basin	SE NW	7	8S	25E	Uintah	UT	Oil	Green River	U-41377	43-047-32256	1749' FNL, 1601' FWL	Coyote Basin
Balcron Coyote Fed. #31-7	Coyote Basin	NW NE	7	8S	25E	Uintah	UT	Oil	Green River	U-020309-D	43-047-32254	561' FNL, 1977' FEL	Coyote Basin
Balcron Coyote Fed. #33-5	Coyote Basin	NW SE	5	8S	25E	Uintah	UT	Oil	Green River	U-063597-A	43-047-32257	1892' FSL, 2326' FEL	Coyote Basin
Balcron Coyote Fed. #42-6X	Coyote Basin	SE NE	6	8S	25E	Uintah	UT	OSI	Green River	U-017439-B	43-047-32346	1987' FNL, 682' FEL	Coyote Basin
Coyote Basin #1-12	Coyote Basin	NE SE	12	8S	24E	Unitah	UT	Oil	Green River	U-58226	43-047-20221	1830' FSL, 1980' FWL	Coyote Basin
Coyote Basin Federal #21-7	Coyote Basin	NE NW	7	8S	25E	Uintah	UT	Oil	Green River	U-41377	43-047-31673	591' FNL, 1858' FWL	Coyote Basin
Coyote Basin Federal #43-12	Coyote Basin	NE SE	12	8S	24E	Uintah	UT	Oil	Green River	U-038797	43-047-30943	2140' FSL, 820' FEL	Coyote Basin
East Red Wash Federal #1-12	Coyote Basin	SW NE	12	8S	24E	Uintah	UT	Oil	Green River	U-038797	43-047-20207	1980' FNL, 1980' FEL	Coyote Basin
East Red Wash Federal #1-5	Coyote Basin	SE NW	5	8S	25E	Uintah	UT	Oil	Green River	U-063597-A	43-047-20174	1989' FNL, 2105' FWL	Coyote Basin
East Red Wash Federal #1-6	Coyote Basin	SE NE	6	8S	25E	Uintah	UT	Oil	Green River	U-017439-B	43-047-20208	1980' FSL, 660' FEL	Coyote Basin
East Red Wash Federal #2-5	Coyote Basin	NW NW	5	8S	25E	Uintah	UT	OTA	Green River	U-063597-A	43-047-20252	800' FNL, 525' FWL	Coyote Basin
Federal #13-13	Coyote Basin	NW SW	13	8S	24E	Uintah	UT	Oil	Green River	U-67208	43-047-32196	1976' FSL, 598' FWL	Coyote Basin
Federal #14-4	Coyote Basin	SW SW	4	8S	25E	Uintah	UT	Oil	Green River	UTU-41376	43-047-15678	510' FSL, 660' FWL	Coyote Basin
TXO Federal #1	Coyote Basin	SW NE	5	8S	25E	Uintah	UT	Oil	Green River	U-41376	43-047-31406	1918' FNL, 1976' FEL	Coyote Basin



**EQUITABLE RESOURCES ENERGY COMPANY  
BALCRON COYOTE FEDERAL 42-6X  
PRODUCTION FACILITY DIAGRAM**

**BALCRON COYOTE FEDERAL 42-6X  
SE NE SEC. 6, T8S, R25E  
UINTAH COUNTY, UTAH  
FEDERAL LEASE #U-017439-B**



VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	OPEN	OPEN
VALVE #2	OPEN	OPEN
VALVE #3	OPEN	OPEN

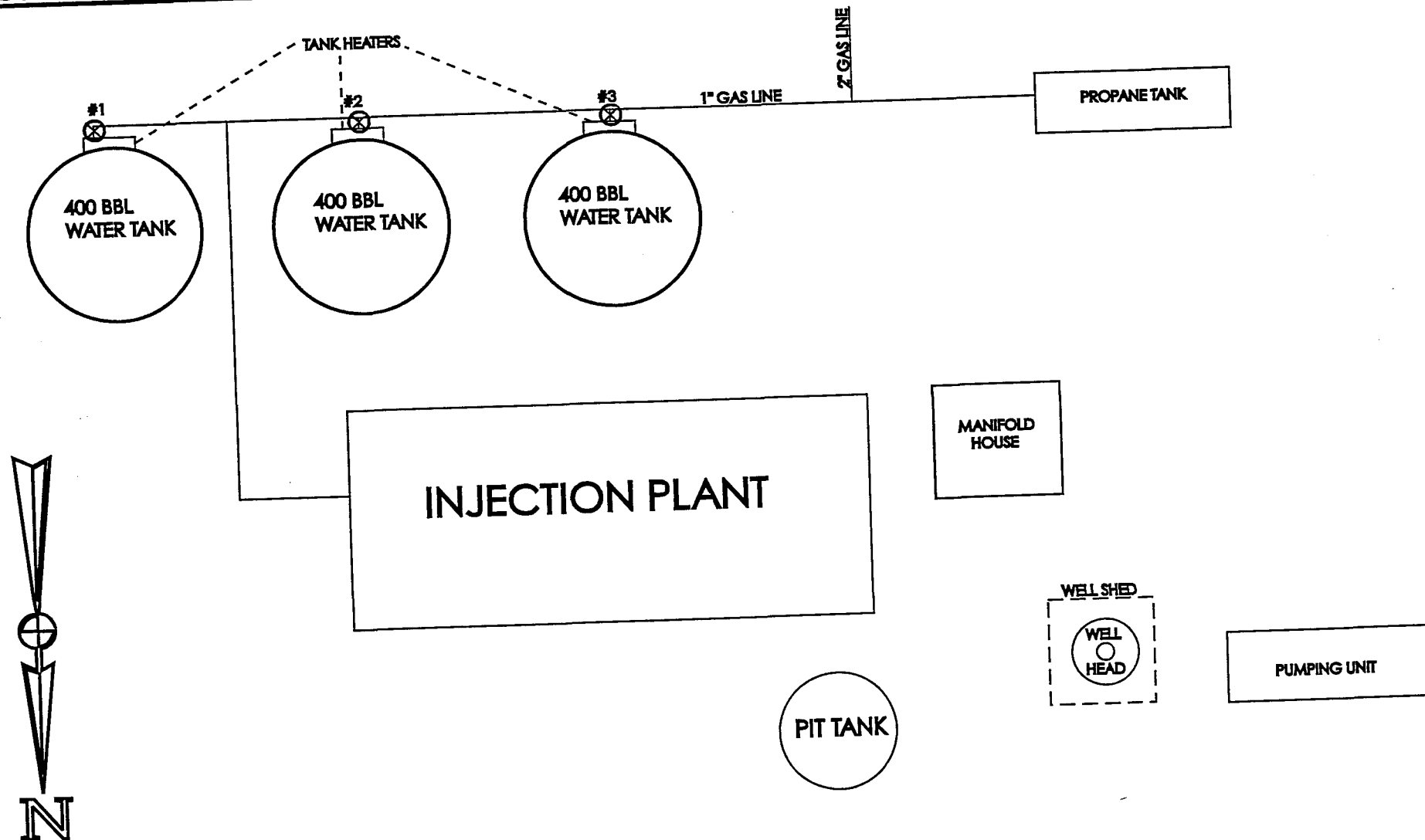


**PLAN LOCATED AT:  
EQUITABLE RESOURCES  
ENERGY COMPANY  
BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860  
JULY 10, 1995

EQUITABLE RESOURCES ENERGY COMPANY  
BALCRON COYOTE FEDERAL 42-6X  
PRODUCTION FACILITY DIAGRAM

BALCRON COYOTE FEDERAL 42-6X  
SE NE SEC. 6, T8S, R25E  
UINTAH COUNTY, UTAH  
FEDERAL LEASE #U-017439-B



VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	OPEN	OPEN
VALVE #2	OPEN	OPEN
VALVE #3	OPEN	OPEN



PLAN LOCATED AT:  
**EQUITABLE RESOURCES  
ENERGY COMPANY**  
BALCRON OIL DIVISION

1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860

JULY 10, 1995

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
EQUITABLE RE	43-047-20252	E. RED WASH	08S	25E	5	INJW	N
EQUITABLE RE	43-047-32346	42-6X	08S	25E	6	INJW	N
EQUITABLE RE	43-047-20261	ERW 4-6	08S	25E	6	INJW	Y
EQUITABLE RE	43-047-20245	AMERADA GUIN	08S	25E	7	INJW	Y
GERRITY OIL	43-047-30566	FEDERAL 14-1	09S	24E	10	INJD	Y
GIANT EXPLOR	43-037-15042	GOTHIC MESA	41S	23E	16	INJD	Y
GIANT EXPLOR	43-037-31095	CAVE CANYON	38S	24E	3	INJW	N
GIANT EXPLOR	43-037-20292	SENTINEL PEA	41S	26E	27	INJD	Y
GIANT EXPLOR	43-037-16452	9-24	41S	23E	9	INJI	Y
HAY HOT OIL	43-037-30521	MCCRACKEN PT	40S	23E	19	INSD	N
HAY HOT OIL	43-037-30575	FED. 23-32	40S	22E	23	INSD	N
HELD BY PROD	43-013-15122	UTE #1-A	03S	06W	18	INJD	Y
INLAND PRODU	43-013-30843	MONUMENT BUT	08S	16E	34	INJW	Y
INLAND PRODU	43-013-30693	FEDERAL 3-33	08S	16E	33	INJW	N
INLAND PRODU	43-013-30608	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30745	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31264	MONUMENT FED	08S	16E	35	INJW	N
INLAND PRODU	43-013-30686	FEDERAL 5-35	08S	16E	35	INJW	N
INLAND PRODU	43-013-30606	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30605	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30592	STATE 1-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30624	STATE 5-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30787	12-32	08S	17E	32	INJW	Y
INLAND PRODU	43-013-31372	14A-28	08S	16E	28	INJW	N
INLAND PRODU	43-013-30779	FED 15-28	08S	16E	28	INJW	N
INLAND PRODU	43-013-31523	GILSONITE 14	08S	17E	32	INJW	Y
INLAND PRODU	43-013-31403	GILSONITE ST	08S	17E	32	INJW	Y
INLAND PRODU	43-013-30658	GILSONITE 7-	08S	17E	32	INJW	Y
JN EXPLORATI	43-043-30223	LOGAN FEDERA	03N	07E	26	INJD	N
MARATHON OIL	43-037-30815	3-23	38S	25E	23	INJW	N
MARATHON OIL	43-037-30690	1-25	38S	25E	25	INJW	N
MARATHON OIL	43-037-31145	4-25	38S	25E	25	INJW	N
MARATHON OIL	43-037-30941	4-26	38S	25E	26	INJW	N
MARATHON OIL	43-037-30762	3-26	38S	25E	26	INJW	N
MEDALLION EX	43-013-30372	ALTAMONT SWD	03S	06W	24	INJD	Y
MERIDIAN OIL	43-037-31259	FEDERAL 23-4	39S	25E	4	INJW	N
MERIDIAN OIL	43-037-31395	NAVAJO FEDER	39S	25E	4	INJW	N
MERIDIAN OIL	43-037-31112	NAV FED 4-1	39S	25E	4	INJW	N
MERIDIAN OIL	43-037-31321	14-4 NAV.FED	39S	25E	4	INJW	N
MERIDIAN OIL	43-037-31267	21-9 NAV.FED	39S	25E	9	INJW	N
MERIDIAN OIL	43-037-31298	HAVASU FED.	38S	23E	24	INJW	N
MERIDIAN OIL	43-037-31458	HAVASU FED.	38S	24E	19	INJW	N
MERIDIAN OIL	43-037-31282	ARABIAN FED.	38S	24E	19	INJW	N
MISSION OIL	43-013-31202	UTE 25-6	05S	04W	25	INJI	Y
MOBIL EXPLOR	43-037-16350	H-11	40S	24E	36	INJW	Y
MOBIL EXPLOR	43-037-15617	F-11	40S	24E	36	INJW	Y
MOBIL EXPLOR	43-037-15619	I-12	40S	24E	36	INJW	Y
MOBIL EXPLOR	43-037-15618	G-12	40S	24E	36	INJI	Y
MOBIL EXPLOR	43-037-16377	T-8	40S	25E	28	INJW	Y
MOBIL EXPLOR	43-037-16362	N-7	40S	25E	29	INJW	Y
MOBIL EXPLOR	43-037-16366	P-7	40S	25E	29	INJW	Y
MOBIL EXPLOR	43-037-16359	L-9	40S	25E	31	INJW	Y
MOBIL EXPLOR	43-037-15958	L-11	40S	25E	31	INJW	Y



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

APR 4 1996

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

April 1, 1996

Mr. Dan Jarvis  
Utah Division of Oil, Gas and Mining  
UIC Program  
355 West North Temple  
Salt Lake City, UT 84180

Dear Dan:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a listing of permits which we have with your Agency. This change will apply to those. If you note that I have missed some or if you have any questions, please do not hesitate to give me a call at (406) 259-7860, extension 240 to discuss this.

This change affects only our company name. The physical locations of our offices and the personnel remain the same.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

# UTAH UIC PERMITS

Balcron Monument Fed. #23-11	State #UIC-152
Balcron Monument Fed. #14-11	State #UIC-152
Balcron Monument Fed. #12-11	State #UIC-152
Walton Federal #34-11	State #UIC-152
Balcron Monument Fed. #34-10J	State #UIC-152
Balcron Monument Fed. #44-1J	State #UIC-152
<b>Coyote Basin Area Waterflood</b>	
<b>Area Permit No. UT2653-00000 (Approved 2/18/94)</b>	
Coyote Basin Fed. #42-6X	UT2653-03751 (AREA PERMIT UT2653-00000)
East Red Wash Federal #2-5	UT2653-03752 (AREA PERMIT UT2653-00000)
East Red Wash Federal #4-6	UT2653-04224 (AREA PERMIT UT2653-00000)
Amerada Guinand Federal #1	UT2653-04225 (AREA PERMIT UT2653-00000)
<b>Section 2 Waterflood</b>	
<b>Area Permit No. UT2776-00000 (Approved 11/95)</b>	
Balcron Monument State #14-4	UT2776-04275 (State UIC-163)
Balcron Monument State #22-2	UT2776-04276 (State UIC-163)
<b>Pariette Field SWD</b>	
Pariette Bench #4 SWD (UT)	UT2676-02569



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

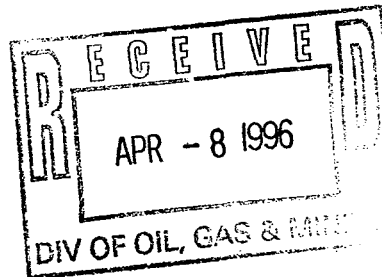
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining  
355 West North Temple  
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

*Bobbie Schuman*  
Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

UTAH - ALL

Balcron Coyote Fed. #42-6X	Coyote Basin	SE NE	6	8S	25E	Uintah	UT	OSI	Green River	U-017439-B	43-047-32346	1987' FNL, 682' FEL	Vernal	Coyote Basin
Balcron Coyote Fed. #44-6	Coyote Basin	SE SE	6	8S	25E	Uintah	UT	PND	Green River	U-017439B	43-047-32421	560' FSL, 760' FEL	Vernal	Coyote Basin
Balcron Federal #12-20Y	8 Mile Flat N.	SW NW	20	9S	18E	Uintah	UT	Oil	Green River	U-64917	43-047-32617	1980' FNL, 660' FWL	Vernal	
Balcron Federal #12-22Y	8 Mile Flat N.	SW NW	22	8S	17E	Duchesne	UT	Oil	Green River	U-66191	43-013-31476	2105' FNL, 660' FWL	Vernal/Priv.sfc.	
Balcron Federal #21-13Y	Monument Butte	NE NW	13	9S	16E	Duchesne	UT	Oil	Green River	U-64805	43-013-31400	703' FNL, 1831' FWL	Vernal	
Balcron Federal #21-25Y	Monument Butte	NE NW	25	9S	16E	Duchesne	UT	Oil	Green River	U-64380	43-013-31994	500' FNL, 1980' FWL	Vernal	
Balcron Federal #21-9Y	Monument Butte	NE NW	9	9S	16E	Duchesne	UT	Oil	Green River	U-65207	43-013-31396	476' FNL, 2051' FWL	Vernal	
Balcron Federal #22-10Y	Monument Butte	SE NW	10	9S	17E	Duchesne	UT	Oil	Green River	U-65210	43-013-31395	1980' FNL, 1980' FWL	Vernal	
Balcron Federal #24-3Y	Monument Butte	SE SW	3	9S	17E	Duchesne	UT	Oil	Green River	U-64381	43-013-31397	562' FSL, 1887' FWL	Vernal	
Balcron Federal #31-14Y	Undesignated	NW NE	14	9S	19E	Uintah	UT	PND	WASATCH	U-66193		500' FNL, 2740' FWL	Vernal/Priv.sfc.	
Balcron Federal #31-19Y	8 Mile Flat N.	NW NE	19	9S	18E	Duchesne	UT	Oil	Green River	U-65635	43-047-32614	660' FNL, 1880' FEL	Vernal	
Balcron Federal #31-5Y	8 Mile Flat N.	NW NE	5	9S	18E	Uintah	UT	Oil	Green River	U-65970	43-047-32503	660' FNL, 1980' FEL	Vernal	
Balcron Federal #32-19Y	8 Mile Flat N.	SW NE	19	9S	18E	Uintah	UT	Oil	Green River	U-65635	43-047-32615	1980' FNL, 1980' FEL	Vernal	
Balcron Federal #41-19Y	Monument Butte	NE NE	19	9S	17E	Duchesne	UT	Oil	Green River	U-65967	43-047-32504	660' FSL, 660' FEL	Vernal	
Balcron Federal #41-21Y	Monument Butte	NE NE	21	9S	16E	Duchesne	UT	Oil	Green River	U-64379	43-013-31392	970' FNL, 894' FEL	Vernal	
Balcron Federal #42-19Y	8 Mile Flat N.	SE NE	19	9S	18E	Uintah	UT	Oil	Green River	U-65635	43-047-32616	2100' FNL, 500' FEL	Vernal	
Balcron Federal #44-14Y	Monument Butte	SE SE	14	9S	17E	Uintah	UT	Oil	Green River	U-64806	43-047-32438	1008' FSL, 832' FEL	Vernal	
Balcron Federal #44-4Y	8 Mile Flat N.	SE SE	4	9S	17E	Duchesne	UT	Oil	Green River	U-65635	43-013-31452	660' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #11-10-9-17Y		NW NW	10	9S	17E	Duchesne	UT	PND	Green River				Vernal	
Balcron Monument Fed. #11-20-9-18Y	Monument Butte	NW NW	20	9S	18E	Uintah	UT	OIL	Green River	U-64917	43-047-32712	500' FNL, 500' FWL	Vernal	
Balcron Monument Fed. #11-22-8-17Y	Monument Butte	NW NW	22	8S	17E	Duchesne	UT	OIL	Green River	U-66191	43-013-31539	635' FNL, 658' FWL	Vernal	
Balcron Monument Fed. #11-25	Monument Butte	NW NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32455	739' FNL, 648' FWL	Vernal	
Balcron Monument Fed. #11-6	Monument Butte	NW NW	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31362	804' FNL, 696' FWL	Vernal	Jonah
Balcron Monument Fed. #11-7J	Monument Butte	NW NW	7	9S	17E	Duchesne	UT	COMPL-WIW	Green River	U-44426	43-013-31492	681' FNL, 447' FWL	Vernal	Jonah
Balcron Monument Fed. #12-10-9-17Y	Monument Butte	SW NW	10	9S	17E	Duchesne	UT	COMPL	Green River	U-65210	43-013-31536	1994' FNL, 618' FWL	Vernal	
Balcron Monument Fed. #12-11J	Monument Butte	SW NW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31417	2128' FNL, 689' FWL	Vernal	Jonah
Balcron Monument Fed. #12-12J	Monument Butte	SW NW	12	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31410	739' FNL, 648' FWL	Vernal	Jonah
Balcron Monument Fed. #12-14J	Monument Butte	SW NW	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31488	2004' FNL, 658' FWL	Vernal	Jonah
Balcron Monument Fed. #12-17	Monument Butte	SW NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31431	1980' FNL, 660' FWL	Vernal	Beluga
Balcron Monument Fed. #12-25	Undesignated	SW NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32526	1486' FNL, 875.7' FWL	Vernal	
Balcron Monument Fed. #12-7J	Monument Butte	SW NW	7	9S	17E	Duchesne	UT	Oil	Green River	U-44426	43-013-31493	1965' FNL, 620' FWL	Vernal	Jonah
Balcron Monument Fed. #13-11J	Monument Butte	NW SW	11	9S	16E	Duchesne	UT	Oil	Green River	U-096547	43-013-15790	1819' FSL, 658' FWL	Vernal	Jonah
Balcron Monument Fed. #13-5	Monument Butte	NW SW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31370	1980' FSL, 660' FWL	Vernal	Jonah
Balcron Monument Fed. #13-8	Monument Butte	NW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31382	2060' FSL, 694' FWL	Vernal	Beluga
Balcron Monument Fed. #14-11	Monument Butte	SW SW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096547	43-013-31374	1048' FSL, 446' FWL	Vernal	Jonah

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator:  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:  
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well  
Footages: See attached listing

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:  
See attached listing

6. If Indian, Allottee or Tribe Name:  
n/a

7. Unit Agreement Name:  
See attached listing

8. Well Name and Number:  
See attached listing

9. API Well Number:  
See attached listing

10. Field and Pool, or Wildcat:  
See attached listing

County: See attached list

State: UTAH

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

### SUBSEQUENT REPORT (Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon *                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                                | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                              | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection                         | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                    | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> |   |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13. Name & Signature: Bobbie Schuman  
Bobbie Schuman

Title: Regulatory and Environmental Specialist Date: March 27, 1996

(This space for State use only)



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1	LEP 7-SJ
2	DES 8-FILE
3	VLD (GTL)
4	RJE
5	LEP
6	FILM

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ~~Operator Name Change Only~~

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	<u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
phone	<u>(406) 259-7860</u>	phone <u>(406) 259-7860</u>
account no.	<u>N9890</u>	account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>047-32346</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Yes 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 4-4-96 & 4-8-96)
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- \* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ (4-10-96)
- Yes 6. Cardex file has been updated for each well listed above. (4-11-96)
- Yes 7. Well file labels have been updated for each well listed above. (4-11-96)
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only)

# 5578314 (\$80,000) Schwa Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- \_\_\_ 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_. Today's date \_\_\_\_\_ 19\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_.

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/26/96 2. Copies of documents have been sent to State Lands for changes involving State leases.
- DTS Sent to Ed Bonner - Trust Lands

### FILMING

- WDR 1. All attachments to this form have been microfilmed. Date: May 20 1996.

### FILING

- \_\_\_ 1. Copies of all attachments to this form have been filed in each well file.
- \_\_\_ 2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

9/6/04/10 BLM/BIA "Formal approval not necessary"

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
EQUITABLE RE	43-013-31410	12-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31408	41-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31421	21-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31373	23-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31368	32-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31367	41-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31370	FEDERAL 13-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31375	24-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31384	22-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31195	ALLEN FEDERA	09S	17E	6	INJW	N
EQUITABLE RE	43-013-31492	11-7J	09S	17E	7	INJW	Y
EQUITABLE RE	43-013-31405	31-7J	09S	17E	7	INJW	Y
EQUITABLE RE	43-047-20252	E. RED WASH 2-5	08S	25E	5	INJW	4063597 N 11500
EQUITABLE RE	43-047-20261	ERW 4-6	08S	25E	6	INJW	4020309 Y 11500
EQUITABLE RE	43-047-32346	42-6X Coyote Fed.	08S	25E	6	INJW	4017439B N 11500
EQUITABLE RE	43-047-20245	AMERADA GUINand	08S	25E	7	INJW	4016271V Y 11500
EQUITABLE RE	43-013-30666	44-7 #1	09S	17E	7	INJW	Y
EQUITABLE RE	43-013-31382	13-8	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-31427	33-8	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-30675	24-8	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-30648	44-8-17B	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-31580	13-16-9-17B	09S	17E	16	INJW	Y
EQUITABLE RE	43-013-30616	11-16-9-17B	09S	17E	16	INJW	Y
EQUITABLE RE	43-013-31145	22-16-9-17B	09S	17E	16	INJW	Y
EQUITABLE RE	43-013-30518	11-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-30499	POMCO 5	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-30516	11-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31428	31-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31581	33-17-9-17B	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31429	22-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31467	42-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-047-32610	22-2	09S	17E	2	INJW	Y
EQUITABLE RE	43-013-31425	14-2	09S	17E	2	INJW	Y
GIANT EXPLOR	43-037-15042	GOTHIC MESA	41S	23E	16	INJD	Y
GIANT EXPLOR	43-037-20292	SENTINEL PEA	41S	26E	27	INJD	Y
GIANT EXPLOR	43-037-16452	9-24	41S	23E	9	INJI	Y
HAY HOT OIL	43-037-30521	MCCRACKEN PT	40S	23E	19	INJI	N
INLAND PRODU	43-013-30843	MONUMENT BUT	08S	16E	34	INJW	Y
INLAND PRODU	43-013-31559	15-25	08S	16E	25	INJW	N
INLAND PRODU	43-013-30693	FEDERAL 3-33	08S	16E	33	INJW	N
INLAND PRODU	43-013-30808	FED 1-34	08S	16E	34	INJW	N
INLAND PRODU	43-013-30686	FEDERAL 5-35	08S	16E	35	INJW	N
INLAND PRODU	43-013-30606	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30745	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31514	1A-35	08S	16E	35	INJW	Y
INLAND PRODU	43-013-30605	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31264	MONUMENT FED	08S	16E	35	INJW	N
INLAND PRODU	43-013-30608	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30624	STATE 5-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30592	STATE 1-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30787	12-32	08S	17E	32	INJW	Y
INLAND PRODU	43-013-30779	FED 15-28	08S	16E	28	INJW	N
INLAND PRODU	43-013-31372	14A-28	08S	16E	28	INJW	N

RECEIVED

OCT 10 1997

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

RECEIVED

OCT 13 1997

Well name and number: See Attached **\*COYOTE BASIN (GREEN RIVER) UNIT**  
Field or Unit name: See Attached API no. See Attached  
Well location: QQ See Attached section See Attached township See Attached range See Attached county See Attached  
Effective Date of Transfer: September 30, 1997

CURRENT OPERATOR

Transfer approved by:

Name David M. McCoskery Company Equitable Resources Energy Co.  
Signature [Signature] Address 1601 Lewis Avenue  
Title Director of Operations & Engineering Billings, MT 59102  
Date 9-30-97 Phone ( 406 ) 259-7860  
Comments:

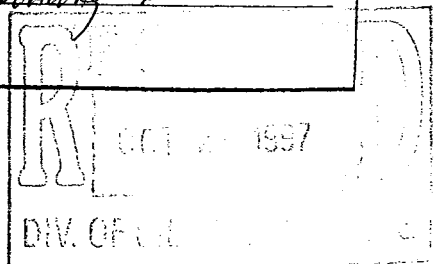
NEW OPERATOR

Transfer approved by:

Name Chris A Potter Company Inland Production Company  
Signature [Signature] Address 475 - 17th Street, Suite 1500  
Title CHRIS A. POTTER, ATTORNEY-IN-FACT Denver, CO 80202  
Date 9-30-97 Phone ( 303 ) 292-0900  
Comments:

(State use only)

Transfer approved by [Signature] Title Manager  
Approval Date 9-8-98



Injection wells

Injection Wells for Inland Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGREEMENT NO.
✓ AMERADA GUINAND #1	SWNW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20245-00	UTU016271V	UTU72085A
✓ COYOTE BASIN #42-6X	SENE 6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-32346-00	UTU017439B	UTU72085A
✓ EAST RED WASH FED. #4-6	SWSE 6 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20261-00	UTU020309D	UTU72085A
✓ EAST RED WASH #2-5	NWNW 5 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20252-00	UTU063597A	UTU72085A
✓ ALLEN FEDERAL #1	SESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15779-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #13-6	NWSW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30918-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #22-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30919-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #31-6	LOT2 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31195-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #11-6	NWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31362-00	UTU020252A	UTU72086A
✓ MONUMENT FEDERAL #11-7J	NW NW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31492-00	UTU44426	UTU72086A
✓ MONUMENT BUTTE #13-5	NWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31370-00		UTU72086A
✓ MONUMENT BUTTE #22-5	SENE 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31384-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE #24-5	SESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31375-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE FED. #24-6	SESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31363-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE #31-7	NWNE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31405-00	UTU72106	UTU72086A
✓ MONUMENT BUTTE FED. #33-6	NWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31361-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #42-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31364-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #12-11	SWNW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31417-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #14-11	SWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31374-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE #12-12	SWNW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31410-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #14-12	SWSW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31411-00		UTU72086A
✓ MONUMENT BUTTE #21-14	NENW 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31421-00		UTU72086A
✓ MONUMENT BUTTE #23-11	NESW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31369-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #23-15	NESW 159S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31373-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE #32-11	SWNE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31386-00		UTU72086A
✓ MONUMENT BUTTE #32-12	SWNE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31419-00		UTU72086A
✓ MONUMENT BUTTE #41-14	NENE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31408-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #43-11	NESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31002-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #32-15	SWNE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31368-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #34-10	SWSE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31416-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #41-15	NENE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31367-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #42-1	SENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31404-00	UTU40652	UTU72086A
✓ MONUMENT BUTTE FED. #44-1J	SESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31415-00	UTU44426	UTU72086A
✓ C&O GOV'T #4	NESW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30742-00	UTU035521A	UTU72086A
✓ MONUMENT BUTTE FED. #1-13	NWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30702-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE FED. #1-33	NWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30735-00	UTU52013	UTU72086A
✓ MONUMENT BUTTE #1-24	SESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30701-00	UTU18399	UTU72086A
✓ WALTON FEDERAL #34-11	SWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31003-00	UTU096550	UTU72086A
✓ MONUMENT STATE #11-2-9-17CD	NW NW 2 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-42685	ML 45555	



# EQUITABLE RESOURCES ENERGY COMPANY

**WESTERN REGION****(406) 259-7860 Telephone****(406) 245-1361 Fax**

December 10, 1997

Lisha  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

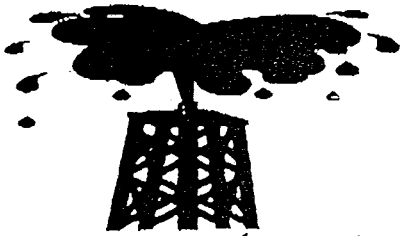
Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad

Agent for Equitable Resources  
Energy Company

/mc



Crazy Mountain Oil & Gas Services  
P.O. Box 577  
Laurel, MT 59044  
(406) 628-4164  
(406) 628-4165

TO: Lisha  
St of Utah.

FROM. Molly Conrad  
Crazy Mountain Oil & Gas Services  
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

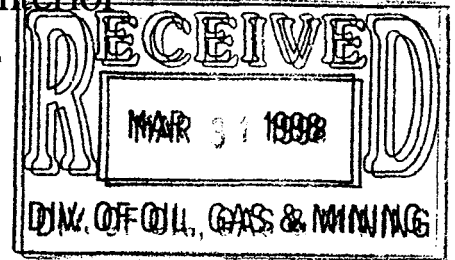
NOTE: Here is the letter you requested.  
Call if you need anything  
further.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



March 30, 1998

Inland Production Company  
475 17th Street, Suite 1500  
Denver, Colorado 80202

Re: Coyote Basin (Green River) Unit  
Uintah County, Utah

Gentlemen:

On March 20, 1998, we received an indenture dated December 10, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Coyote Basin (Green River) Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective March 30, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Coyote Basin (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Coyote Basin (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
Division of Oil, Gas & Mining  
Minerals Adjudication Group U-932  
File - Coyote Basin (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron/Fluid Chron  
U-931:TAThompson:tt:3/30/98



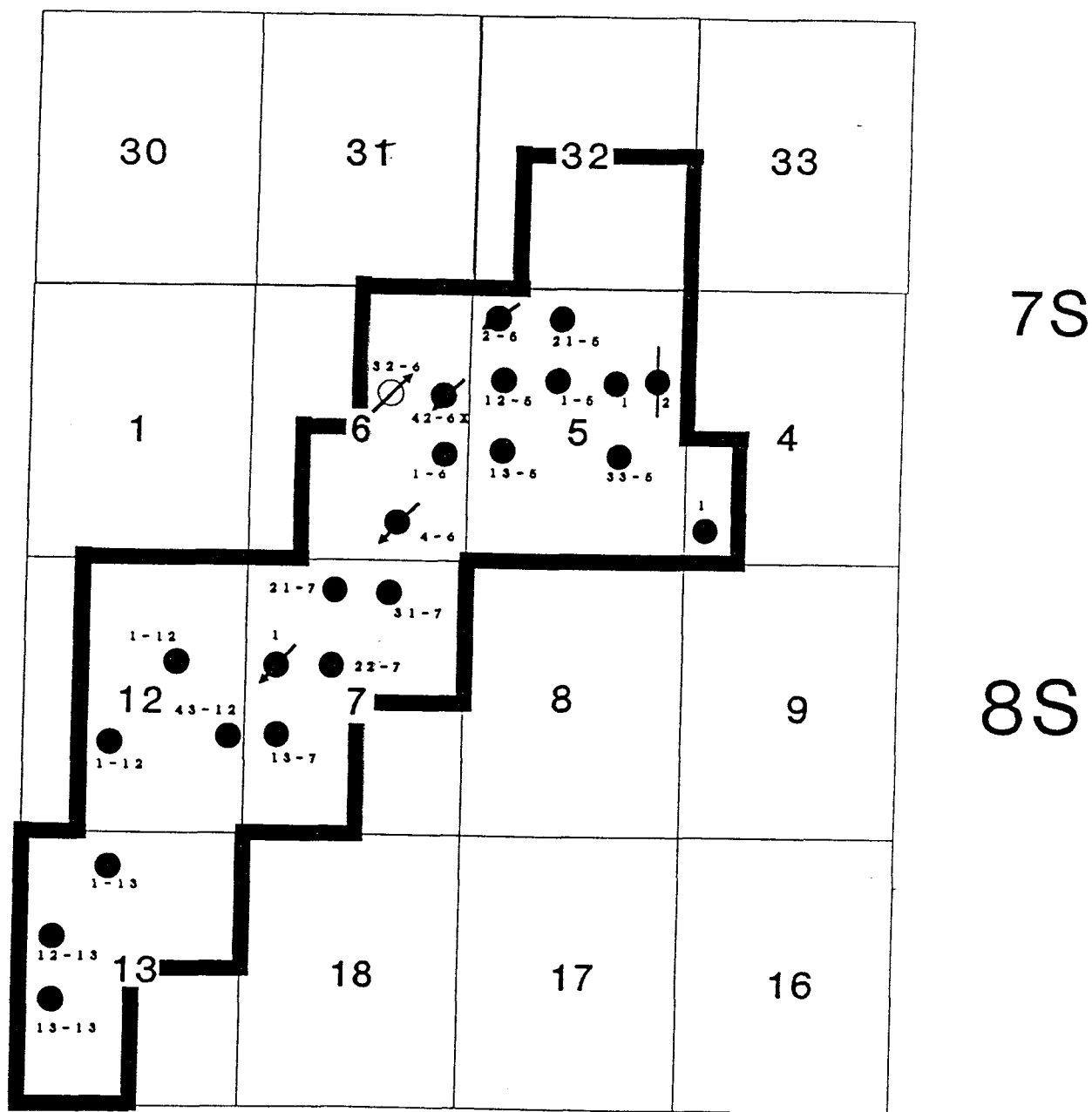
Well Status Report  
Utah State Office  
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
** Inspection Item: UTU72085A								
UTU41376	4304731406	1 COYOTE BASIN FED	SWNE	5	T 8S	R25E	POW	EQUITABLE RESOURCES ENERGY CO
UTU41376	4304715678	1 EAST RED WASH	SWSW	4	T 8S	R25E	POW	EQUITABLE RESOURCES ENERGY CO
UTU063597A	4304720174	1 EAST RED WASH	SENW	5	T 8S	R25E	POW	EQUITABLE RESOURCES ENERGY CO
UTU016271V	4304720245	1 USA-GUINAND	SWNW	7	T 8S	R25E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU58226	4304720221	1-12 COYOTE BASIN	NESW	12	T 8S	R24E	OSI	EQUITABLE RESOURCES ENERGY CO
UTU038797	4304720207	1-12 EAST RED WASH	SWNE	12	T 8S	R24E	POW	EQUITABLE RESOURCES ENERGY CO
UTU018073	4304720222	1-13 E RED WASH FED	NENW	13	T 8S	R24E	POW	EQUITABLE RESOURCES ENERGY CO
UTU017439B	4304720208	1-6 EAST RED WASH	NESE	6	T 8S	R25E	POW	EQUITABLE RESOURCES ENERGY CO
UTU018073	4304731266	12-13 FEDERAL	SWNW	13	T 8S	R24E	POW	EQUITABLE RESOURCES ENERGY CO
UTU063597A	4304732253	12-5 BALCRON COYOTE	SWNW	5	T 8S	R25E	OSI	EQUITABLE RESOURCES ENERGY CO
UTU67208	4304732196	13-13	NWSW	13	T 8S	R24E	POW	EQUITABLE RESOURCES ENERGY CO
UTU063597A	4304732261	13-5 BALCRON COYOTE	NWSW	5	T 8S	R25E	POW	EQUITABLE RESOURCES ENERGY CO
UTU41377	4304732255	13-7	NWSW	7	T 8S	R25E	POW	EQUITABLE RESOURCES ENERGY CO
UTU41376	4304731567	2 COYOTE BASIN FED	SENE	5	T 8S	R25E	TA	EQUITABLE RESOURCES ENERGY CO
UTU063597A	4304720252	2-5 EAST RED WASH	NWNW	5	T 8S	R25E	WIWSI	EQUITABLE RESOURCES ENERGY CO
UTU063597A	4304732260	21-5 BALCRON COYOTE	NENW	5	T 8S	R25E	POW	EQUITABLE RESOURCES ENERGY CO
UTU41377	4304731673	21-7 COYOTE BASIN	NENW	7	T 8S	R25E	POW	EQUITABLE RESOURCES ENERGY CO
UTU41377	4304732256	22-7	SENW	7	T 8S	R25E	POW	EQUITABLE RESOURCES ENERGY CO
UTU020309D	4304732254	31-7 BALCRON COYOTE	NWNE	7	T 8S	R25E	POW	EQUITABLE RESOURCES ENERGY CO
UTU020309D	4304731835	32-6 COYOTE BASIN	SWNE	6	T 8S	R25E	WSW	EQUITABLE RESOURCES ENERGY CO
UTU063597A	4304732257	33-5 BALCRON COYOTE	NWSE	5	T 8S	R25E	POW	EQUITABLE RESOURCES ENERGY CO
UTU020309D	4304720261	4-6 EAST RED WASH	SWSE	6	T 8S	R25E	WIW	EQUITABLE RESOURCES ENERGY CO
<del>UTU017439B</del>	<del>4304732258</del>	<del>42-6</del>	<del>SENE</del>	<del>6</del>	<del>T 8S</del>	<del>R25E</del>	<del>ABD</del>	<del>EQUITABLE RESOURCES ENERGY CO</del>
UTU017439B	4304732346	42-6X	SENE	6	T 8S	R25E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU038797	4304730943	43-12 COYOTE BASIN	NESE	12	T 8S	R24E	POW	EQUITABLE RESOURCES ENERGY CO

# COYOTE BASIN (GREEN RIVER) UNIT

Uintah County, Utah

EFFECTIVE: JULY 1, 1993



24E

25E

— UNIT AGREEMENT (UTU72085A)

2,801.54 ACRES

SECONDARY ALLOCATION	
FEDERAL	99.3125%
STATE	.6875%

## OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-LEC	6-LEC
2-GLM	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JRB	

- ☒ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>C/O CRAZY MTN O&amp;G SVS'S</u>
	<u>ROOSEVELT UT 84066</u>		<u>PO BOX 577</u>
			<u>LAUREL MT 59044</u>
Phone:	<u>(435) 722-5103</u>	Phone:	<u>(406) 628-4164</u>
Account no.	<u>N5160</u>	Account no.	<u>N9890</u>

WELL(S) attach additional page if needed:

**\*COYOTE BASIN (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-047-32341</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12-10-97)*
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-20-97)*
- N/A/lec 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(4-3-98) \* UIC Quattro Pro & DBase 4-3-98.*
- lec 6. **Cardex** file has been updated for each well listed above. *4-9-98*
- lec 7. Well **file labels** have been updated for each well listed above. *4-9-98*
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(4-3-98)*
- lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ENTITY REVIEW

- Jec 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A Jec 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

## BOND VERIFICATION - (FEE WELLS ONLY)

- N/A Jec 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
2. A **copy of this form** has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no)    , as of today's date    . If yes, division response was made to this request by letter dated    .

## LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A Jec 1. Copies of documents have been sent on     to     at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A Jec 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated     19    , of their responsibility to notify all interest owners of this change.

## FILMING

- VS 1. All attachments to this form have been **microfilmed**. Today's date: 4-27-98.

## FILING

- CHD 1. Copies of all attachments to this form have been filed in each **well file**.
- CHD 2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

## COMMENTS

980403 BLM/SL Aprv. 3-30-98.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ injection well  
Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Route 3, Box 3630, Myton Utah 84052 (435-646-3721)**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1987 FNL 0682 FEL SE/NE Section 6, T08S R25E**

5. Lease Designation and Serial No.

**U-017439-B**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**COYOTE BASIN**

8. Well Name and No.

**COYOTE FEDERAL 42-6X**

9. API Well No.

**43-047-32346**

10. Field and Pool, or Exploratory Area

**COYOTE BASIN**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other MIT on casing

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Inland Production Co. conducted an MIT test on the casing of the well to comply with 5 year rule. The casing was pressured to 1000 psi where it stayed for 1/2 hour without any bleed off, then released and well was then put back on Injection.

14. I hereby certify that the foregoing is true and correct

Signed

Ron Shuck  
Ron Shuck

Title

Production Foreman

Date

6/25/99

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:



## DAILY COMPLETION REPORT

WELL NAME: Coyote Federal 42-6X-8-25

Report Date: 6/25/99

Completion Day: \_\_\_\_\_

Present Operation: MIT on Casing

Rig: NA

### WELL STATUS

Surf Csg: \_\_\_\_\_ @ \_\_\_\_\_ Liner: \_\_\_\_\_ @ \_\_\_\_\_ Prod Csg: \_\_\_\_\_ @ \_\_\_\_\_ Csg PBTD: \_\_\_\_\_  
Tbg: \_\_\_\_\_ Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: \_\_\_\_\_

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

Date Work Performed: 25-Jun-99

SITP: 1500 SICP: 0

Contacted Mr. John Carson with EPA and got verbal approval to conduct a MIT on the casing without a witness. Contacted Mr. Dave Hackford with the State Of Utah and lined up time of 10:30 AM. Pressured casing to 1000 psi with 1 bbl of Injection fluid for 1/2 hour with no loss of pressure recorded on chart. Released pressure. Mr. Dave Hackford witnessed test with the State Of Utah. Well was then turned back on Injection.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: \_\_\_\_\_ Starting oil rec to date: \_\_\_\_\_  
Fluid lost/recovered today: \_\_\_\_\_ Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: \_\_\_\_\_ Cum oil recovered: \_\_\_\_\_  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ inal oil cut \_\_\_\_\_

### STIMULATION DETAIL

### COSTS

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_

Company: \_\_\_\_\_

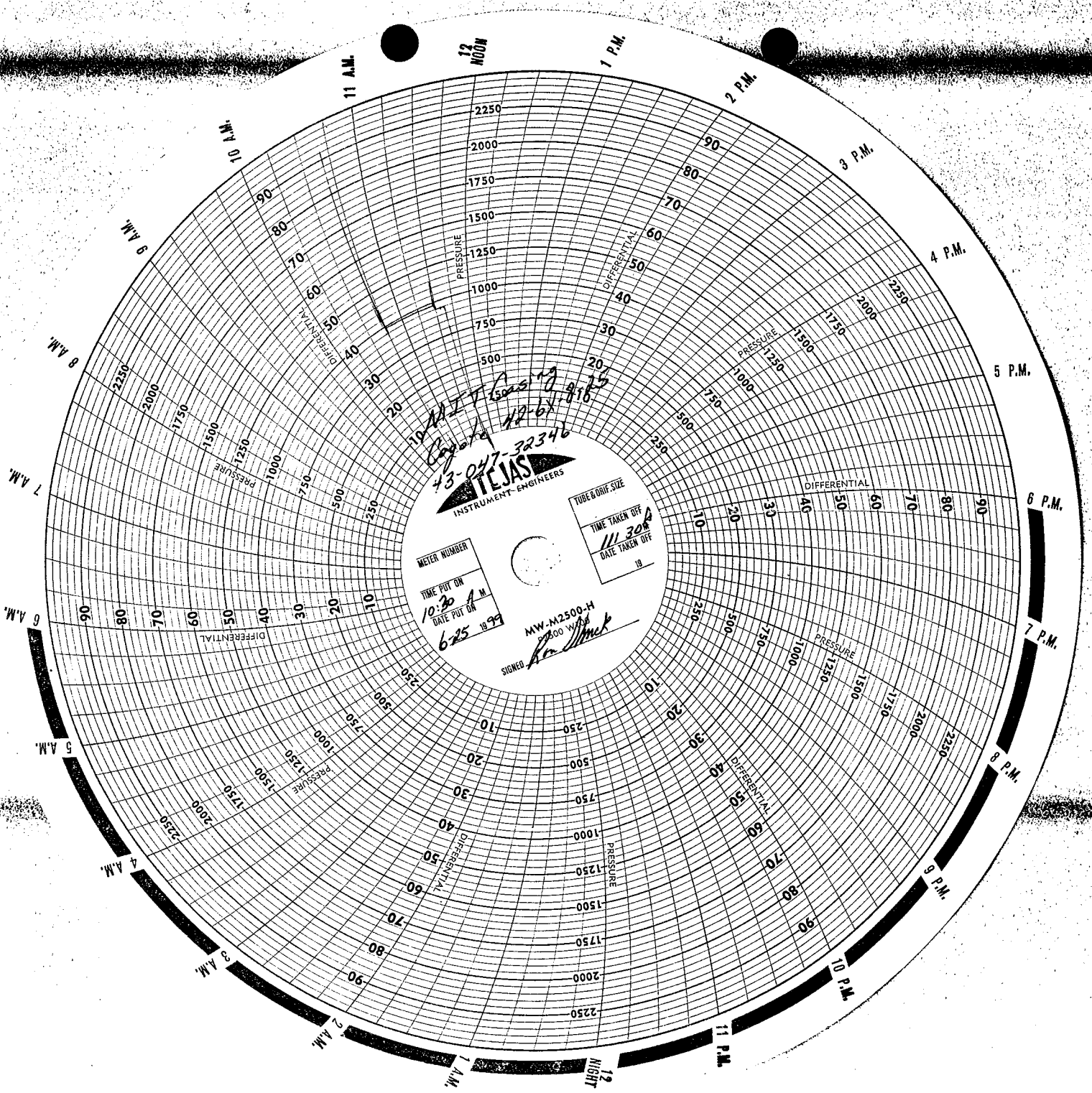
Procedure or Equipment detail: \_\_\_\_\_

Max TP: \_\_\_\_\_ Max Rate: \_\_\_\_\_ Total fluid pmpd: \_\_\_\_\_

Avg TP: \_\_\_\_\_ Avg Rate: \_\_\_\_\_ Total Prop pmpd: \_\_\_\_\_

ISIP: \_\_\_\_\_ 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ 15 min: \_\_\_\_\_ DAILY COST: \_\_\_\_\_ \$0

Completion Supervisor: Ron Shuck TOTAL WELL COST: \_\_\_\_\_



# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: John Carson - Verbal Date: 6/25/97  
Test conducted by: Ron Shuck  
Others present: David Mackford (DOB M)

Well Name: <u>Coyote Federal</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Coyote Basin</u>		
Location: <u>SE/NE</u> Sec: <u>6</u> T <u>8</u> N <u>(S)</u> R <u>25</u> E/W County: <u>Wint</u> State: <u>UT</u>		
Operator: <u>Enland Production Co.</u>		
Last MIT: <u>1</u> <u>94</u>	Maximum Allowable Pressure: <u>1717</u>	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No

Initial test for permit? ☐ Yes ☐ No

Test after well rework? ☐ Yes ☒ No

Well injecting during test? ☐ Yes ☒ No If Yes, rate: 82 bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1000</u> psig	psig	psig
End of test pressure	<u>1000</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1000</u> psig	psig	psig
5 minutes	<u>1000</u> psig	psig	psig
10 minutes	<u>1000</u> psig	psig	psig
15 minutes	<u>1000</u> psig	psig	psig
20 minutes	<u>1000</u> psig	psig	psig
25 minutes	<u>1000</u> psig	psig	psig
30 minutes	<u>1000</u> psig	psig	psig
minutes	psig	psig	psig
minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No



# MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

PSI on casing was 0. Pumped 1 BBL water down casing to get 1000 PSI. The has 1475 PSI on it. held Pressure on casing for 30 minutes. Released Pressure and Put well back on Injection.

Signature of Witness: \_\_\_\_\_

## OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Do you agree with the reported test results? ☐ YES ☐ NO

If not, why? \_\_\_\_\_

Possible violation identified? ☐ YES ☐ NO

If YES, what \_\_\_\_\_

If YES - followup initiated? ☐ YES \_\_\_\_\_

☐ NO - why not? \_\_\_\_\_

☐ Data Entry

☐ Compliance Staff

☐ 2<sup>nd</sup> Data Entry

☐ Hardcopy Filing

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: David M. McKelvey Date 6/25/99 Time 10:30 am/pm  
Test Conducted by: Ron Shuck  
Others Present: \_\_\_\_\_

Well: Coyote Federal 142-61

Well ID: 43-047-32346  
U-017439-B

Field: Coyote Basin

Company: Inland Production

Well Location: SE/NE Sec. 6 T14N R15E

Address: \_\_\_\_\_

Time	Test	
0 min	<u>1000</u>	psig
5	<u>1000</u>	
10	<u>1000</u>	
15	<u>1000</u>	
20	<u>1000</u>	
25	<u>1000</u>	
30 min	<u>1000</u>	
35	_____	
40	_____	
45	_____	
50	_____	
55	_____	
60 min	_____	
Tubing press	_____	psig

Result (circle) Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: \_\_\_\_\_

STATE OF UTAH  
DIVISION OF OIL GAS AND MINING

## INJECTION WELL - PRESSURE TEST

Well Name: <u>42-6X</u>	API Number: <u>43-047-32346</u>
Qtr/Qtr: <u>SE/NE</u> Section: <u>6</u>	Township: <u>9S</u> Range: <u>25E</u>
Company Name: <u>Inland Prod. Co.</u>	
Lease: State <u>      </u> Fee <u>      </u>	Federal <u>X</u> Indian <u>      </u>
Inspector: <u>David W. Hackford</u>	Date: <u>6/25/99</u>

## Initial Conditions:

Tubing - Rate: 82 BPD Pressure: 1500 psiCasing/Tubing Annulus - Pressure: 0 psi

## Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000</u>	<u>1500</u>
5	<u>1000</u>	<u>1500</u>
10	<u>1000</u>	<u>1500</u>
15	<u>1000</u>	<u>1500</u>
20	<u>1000</u>	<u>1500</u>
25	<u>1000</u>	<u>1500</u>
30	<u>1000</u>	<u>1500</u>

Results: Pass/Fail

## Conditions After Test:

Tubing Pressure: 1500 psiCasing/Tubing Annulus Pressure: 0 psi

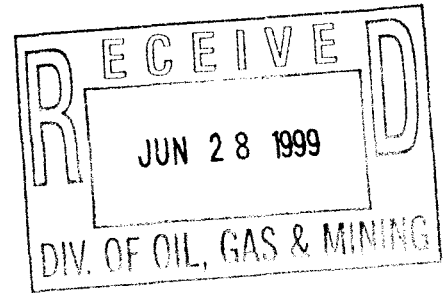
COMMENTS: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_Ron Shuck  
Operator Representative



PRODUCTION COMPANY  
A Subsidiary of Inland Resources Inc.

June 25, 1999



Environmental Protection Agency  
Attn: Connaly E. Mears  
Region VIII  
999 18<sup>th</sup> Street Suite 500  
Denver, Colorado 80202-2466

43.047.32346  
RE: Coyote Federal #42-6X  
EPA Permit #UT2653-03751

Dear Mr. Mears:

As per your letter of noncompliance dated June 9, 1999; please find enclosed the results of an M.I.T. test conducted on 6/25/99. With verbal approval of Mr. John Carson this test was conducted without an EPA witness.

If you have any questions or need further information, please don't hesitate to contact me. I can be reached at our Pleasant Valley Office at (435) 646-3721 or on my cellular at (435) 823-7977.

Sincerely,

Ron Shuck  
Production Foreman

Enclosures

cc: State of Utah – Division of Oil, Gas & Mining  
Jon Holst - Inland Resources  
Roosevelt & Denver Well Files

/kj



April 26, 2000

State of Utah  
Division of Oil, Gas & Mining  
Attn: Dan Jarvis  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Step-Rate Test  
Coyote Federal # 42-6X

Dear Dan:

Please find enclosed Step-Rate Tests (SRT) results on the Coyote Federal #42-6X injection well in the Coyote Basin Unit. Inland Production Company conducted the SRT on April 26, 2000. Due to the results of the SRT Inland is requesting a change in the maximum allowable injection pressure from 1717 psi to 1325 psi for this well.

Thank you for your assistance. If you have any questions or need further information, please call me at (435) 646-3721.

Sincerely,

Brad Mecham  
Operations Manager

/bm

**RECEIVED**

MAY 02 2000

**DIVISION OF  
OIL, GAS AND MINING**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>U-017439-B</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
3. ADDRESS OF OPERATOR <b>ROUTE #3 BOX 3630, MYTON, UTAH 84052 (435) 646-3721</b>		7. UNIT AGREEMENT NAME  <b>COYOTE BASIN</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>SE/NE 1987 FNL 0682 FEL</b>		8. FARM OR LEASE NAME <b>COYOTE FEDERAL 42-6X</b>	
14 API NUMBER <b>43-047-32346</b>		9. WELL NO. <b>FEDERAL # 42-6X</b>	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5601 GR</b>		10. FIELD AND POOL, OR WILDCAT  <b>COYOTE BASIN</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>SE/NE Section 6, T08S R25E</b>	
		12. COUNTY OR PARISH <b>UINTAH</b>	13. STATE <b>UT</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>Step-Rate Test</u>	<input checked="" type="checkbox"/>
(OTHER) _____	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On April 26, 2000 Inland Production Company conducted a Step-Rate Test (SRT) on the Coyote Federal # 24-6X injection well in the Coyote Basin Unit. Due to the results of the attached SRT Inland is requesting approval to change our Maximum Allowable Injection Pressure from 1717 psi to 1325 psi on this well.

**RECEIVED**

MAY 02 2000

DIVISION OF  
OIL, GAS AND MINING

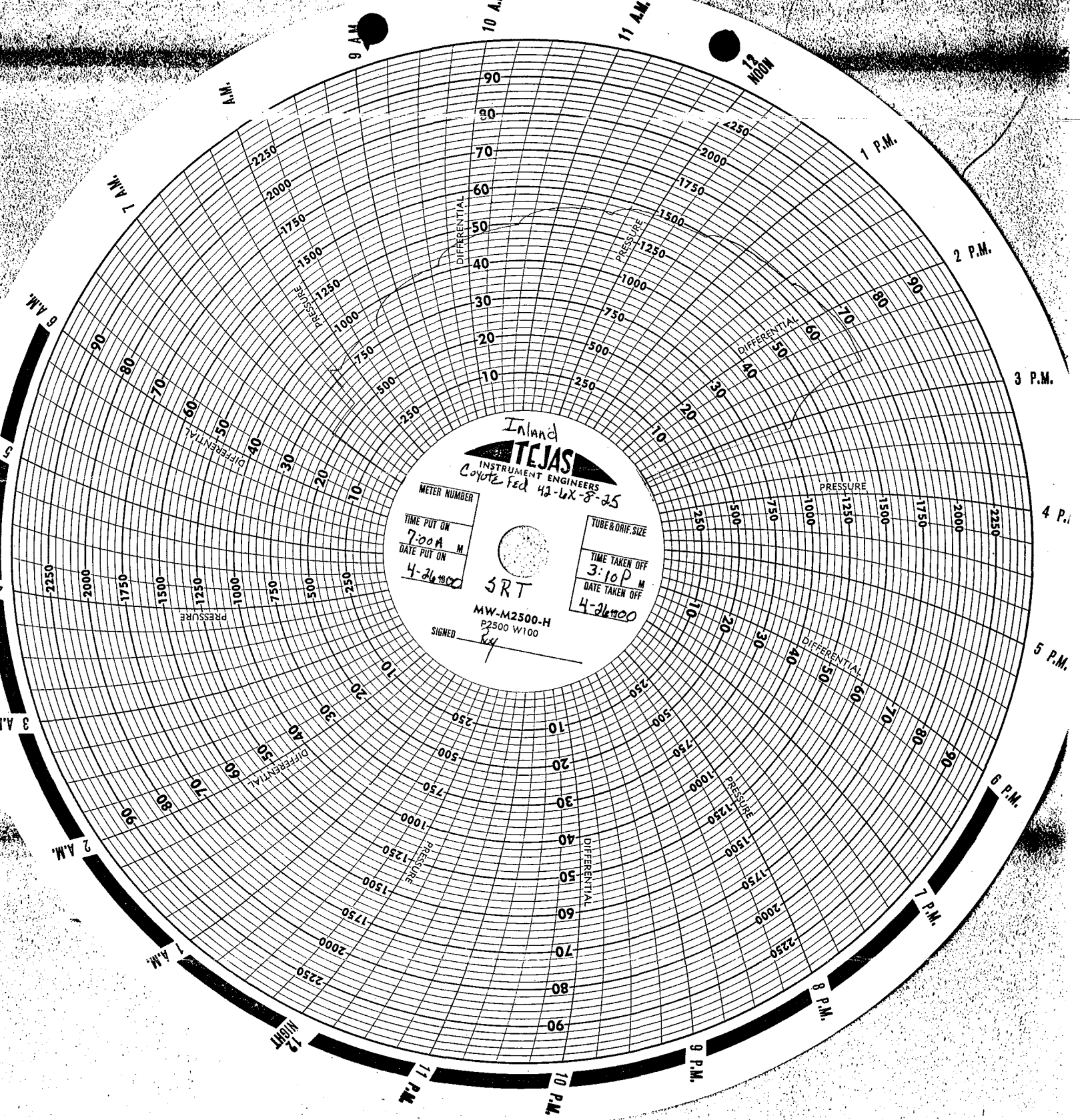
18 I hereby certify that the foregoing is true and correct  
SIGNED Bo Medum TITLE Operations Manager DATE 4/26/00

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

Approved by the  
Utah  
Oil, Gas and Mining

Date: 5/3/00  
By: [Signature]

COPY SENT TO OPERATOR  
Date: 5-4-00  
Initials: [Signature]

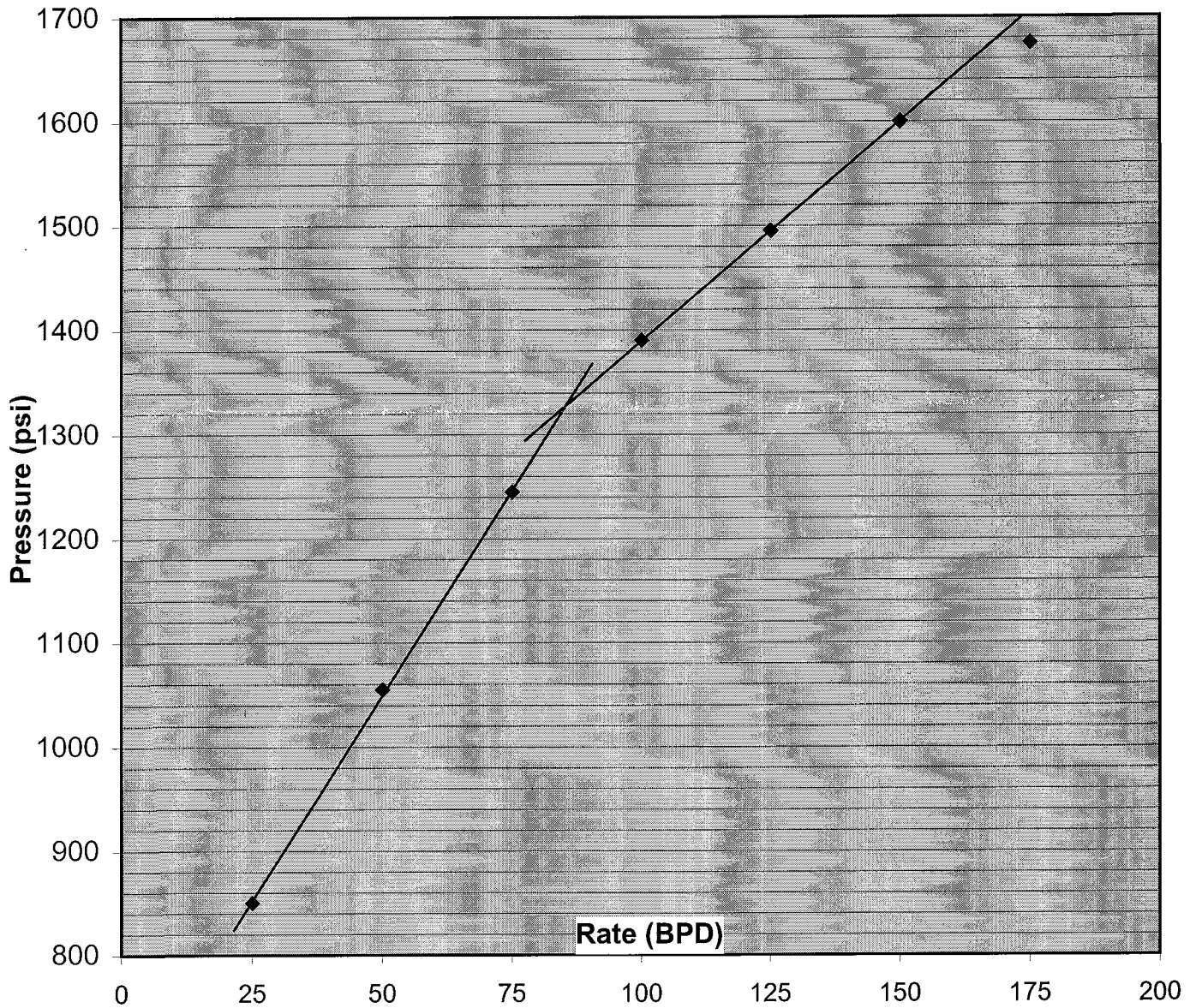


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MAY 02 2000

DIVISION OF  
OIL, GAS AND MINING

Coyote Fed 42-6X  
(Coyote Basin Unit)  
Step Rate Test  
April 26, 2000



ISIP: N/A

Fracture pressure: 1325 psi

FG: 0.728

Step	Rate(bpd)	Pressure(psi)
1	25	850
2	50	1055
3	75	1245
4	100	1390
5	125	1495
6	150	1600
7	175	1675

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MAY 02 2000

DIVISION OF  
OIL, GAS AND MINING



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
U017439B

**SUNDRY NOTICES AND REPORTS ON WELLS**

not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
COYOTE BASIN

1. TYPE OF WELL:  
OIL WELL ☐ GAS WELL ☐ OTHER ☐ Injection well

8. WELL NAME and NUMBER:  
COYOTE FED 42-6X

2. NAME OF OPERATOR:  
Inland Production Company

9. API NUMBER:  
4304732346

3. ADDRESS OF OPERATOR:  
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
Monument Butte

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1987 FNL 0682 FEL

COUNTY: Uintah

QTR/QTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SE/NE, 6, T8S, R25E

STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF ACTION

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  06/08/2004	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 5 Year MIT	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A five year MIT was conducted on the subject well. On 6/2/04 Mr. Al Craver w/ EPA was notified of the intent to conduct a MIT on the casing. On 6/3/04 the casing was pressured to 1000 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

NAME (PLEASE PRINT) Krishna Russell

TITLE Production Clerk

SIGNATURE

DATE June 08, 2004

(This space for State use only)

**RECEIVED**

**JUN 10 2004**

**DIV. OF OIL, GAS & MINING**

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 6/3/04  
Test conducted by: KEET HENDE  
Others present: \_\_\_\_\_

Well Name: <u>COVOTE FEDERAL 42-LX-B-25</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>EAST COVOTE UNIT</u>		
Location: <u>SEINE</u>	Sec: <u>6</u>	T <u>8</u> N/S R <u>25</u> E/W County: <u>LINCOLN</u> State: <u>UT</u>
Operator: <u>TANLUD</u>		
Last MIT: <u>1</u>	Maximum Allowable Pressure: <u>1325</u>	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No  
Initial test for permit? ☐ Yes ☒ No  
Test after well rework? ☐ Yes ☒ No  
Well injecting during test? ☒ Yes ☐ No If Yes, rate: 29 bpd

Pre-test casing/tubing annulus pressure: 0 psig

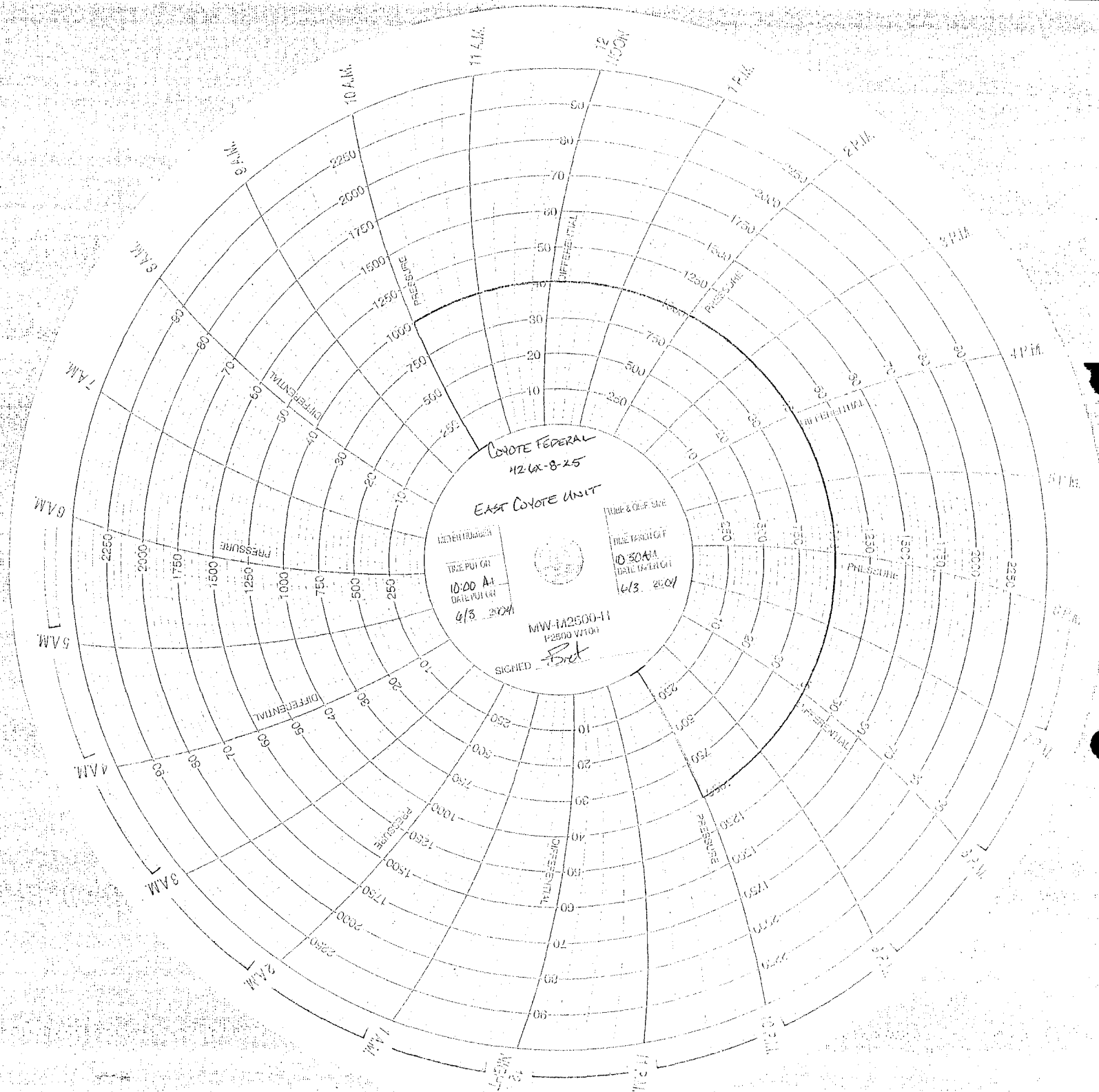
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1,270</u> psig	psig	psig
End of test pressure	<u>1,270</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1,000</u> psig	psig	psig
5 minutes	<u>1,000</u> psig	psig	psig
10 minutes	<u>1,000</u> psig	psig	psig
15 minutes	<u>1,000</u> psig	psig	psig
20 minutes	<u>1,000</u> psig	psig	psig
25 minutes	<u>1,000</u> psig	psig	psig
30 minutes	<u>1,000</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number <b>SEE ATTACHED LIST</b>	API Number
Location of Well Footage : _____ County : _____ QQ, Section, Township, Range: _____ State : UTAH	Field or Unit Name <b>Coyote Basin</b> Lease Designation and Number

EFFECTIVE DATE OF TRANSFER: 8/5/2004

CURRENT OPERATOR

Company: Inland Production Company Name: Gary Alsobrook  
Address: 1401 17th Street Suite 1000 Signature: *[Signature]*  
city Denver state CO zip 80202 Title: Landman  
Phone: (303) 893-0102 Date: \_\_\_\_\_  
Comments: See attached list for well names, locations and API #'s.

NEW OPERATOR

Company: P&M Petroleum Management, LLC Name: EDWARD NEIBAUER  
Address: 518 17th Street, Suite 230 Signature: *[Signature]*  
city Denver state Co zip 80202 Title: MEMBER  
Phone: \_\_\_\_\_ Date: 8/5/04  
Comments:

(This space for State use only)

Transfer approved by: *[Signature]*  
Title: Per. Services Manager

Approval Date: 10-5-04

Comments: CAUSE 129-7  
Records show all wells due for MIT.  
Located in Tulean County, EPA primary  
UIC agency.

RECEIVED  
SEP 29 2004

DIV. OF OIL, GAS & MINING

COYOTE BASIN UNIT  
Uintah County, Utah

List of Injection Wells

WELL NAME		API NUMBER	WELL STATUS	TOWNSHIP /RANGE	SECTION	WELL SPOT
1	East Red Wash 4-6	4304720261	INJ/SI	8S-25E	6	SWSE
2	Coyote Federl 42-6X	4304732346	INJ	8S-25E	6	SENE
3	Amerada Guinand 1	4304720245	INJ/SI	8S-25E	7	SWNW

### 3. FILE

### Designation of Agent/Operator

## Merger

**8/5/2004**

**Phone: 1-(303) 260-7129**

### COYOTE BASIN (GREEN RIVER)

[illegible]

## n/a

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM \*\*\* BIA n/a

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 9/30/2004

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 10/27/2004
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 10/27/2004
3. Bond information entered in RBDMS on: n/a
4. Fee/State wells attached to bond in RBDMS on: n/a
5. Injection Projects to new operator in RBDMS on: 10/27/2004
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT-1005

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: n/a

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number n/a
2. The FORMER operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

**Division of Oil, Gas and Mining**  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ
2. CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**6/1/2009**

<b>FROM: (Old Operator):</b> N1570-P&M Petroleum Management 518 17th Street, Suite 1105 Denver, CO 80202  Phone: 1 (303) 260-7129	<b>TO: ( New Operator):</b> N3580-Advantage Resources, Inc. 1775 Sherman Street, Suite 1700 Denver, CO 80203  Phone: 1 (303) 831-1912
--	--

CA No.				Unit:		COYOTE BASIN (GRRV)		
WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/18/2009
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/18/2009
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 5/28/2009
- a. Is the new operator registered in the State of Utah: Business Number: 1249524-0143
- a. (R649-9-2)Waste Management Plan has been received on: requested 5/28/2009
- b. Inspections of LA PA state/fee well sites complete on: n/a
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 5/18/2009

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 5/28/2009
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/28/2009
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: 5/28/2009
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: B004939
- Indian well(s) covered by Bond Number: n/a
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number n/a
- b. The **FORMER** operator has requested a release of liability from their bond on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:** per Jerry Calley, P&M, San Juan County wells are plugged, he will submit reports.



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☒ GAS WELL ☒ OTHER Injectors

2. NAME OF OPERATOR:  
ADVANTAGE RESOURCES, INC. - BLM Bond # B004939

3. ADDRESS OF OPERATOR:  
1775 Sherman St., # 1700 CITY Denver STATE CO ZIP 80203 PHONE NUMBER: (303) 831-1912

4. LOCATION OF WELL N3580

FOOTAGES AT SURFACE:

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>4/1/2009</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

P&M Petroleum Managment, LLC N1570  
518 17th Street, Suite 1105  
Denver, CO 80202

Name(Please Print) Jerry Colley Title Managing Member

Signature Jerry Colley Date 5/14/09  
(303) 260-7129

See Attached Exhibit A for a list of wells in Coyote Basin Field (Field # 570)

NAME (PLEASE PRINT) Brad C. Ackman TITLE VP  
SIGNATURE [Signature] DATE 5/14/09

(This space for State use only)

APPROVED 5128109  
Earlene Russell  
Division of Oil, Gas and Mining (See Instructions on Reverse Side)  
Earlene Russell, Engineering Technician

(5/2000)

RECEIVED  
MAY 18 2009  
DIV. OF OIL, GAS & MINING

Exhibit A - Current Wells in Coyote Basin Field (570)

FEDERAL 14-4	04	080S	250E	4304715678	11500	Federal	OW	S		COYOTE BASIN (GRRV)	SWSW	GRRV	U-41376	N1570
E RED WASH 1-5	05	080S	250E	4304720174	11500	Federal	OW	S		COYOTE BASIN (GRRV)	SENE	GRRV	U-063597	N1570
E RED WASH FED 1-12	12	080S	240E	4304720207	11500	Federal	OW	S		COYOTE BASIN (GRRV)	SWNE	GRRV	U-038797	N1570
E RED WASH FED 1-6	06	080S	250E	4304720208	11500	Federal	OW	S		COYOTE BASIN (GRRV)	NESE	GRRV	U-017439-B	N1570
COYOTE 1-12	12	080S	240E	4304720221	11500	Federal	OW	S		COYOTE BASIN (GRRV)	NESW	GRRV	U-58226	N1570
E RED WASH FED 1-13	13	080S	240E	4304720222	11500	Federal	OW	S		COYOTE BASIN (GRRV)	NENW	GRRV	U-018073	N1570
AMERADA GUINAND 1	07	080S	250E	4304720245	11500	Federal	WI	A		COYOTE BASIN (GRRV)	SWNW	GRRV	U-016271-V	N1570
EAST RED WASH FED 4-6	06	080S	250E	4304720261	11500	Federal	WI	A		COYOTE BASIN (GRRV)	SWSE	GRRV	U-020309	N1570
COYOTE BASIN 43-12-8-24	12	080S	240E	4304730943	11500	Federal	OW	S		COYOTE BASIN (GRRV)	NESE	WSTC	U-38797	N1570
COYOTE BASIN FED 12-13	13	080S	240E	4304731266	11500	Federal	OW	S		COYOTE BASIN (GRRV)	SWNW	GRRV	U-018073	N1570
TXO FEDERAL 1	05	080S	250E	4304731406	11500	Federal	OW	S		COYOTE BASIN (GRRV)	SWNE	GRRV	U-41376	N1570
TXO FEDERAL 2	05	080S	250E	4304731567	11500	Federal	OW	TA		COYOTE BASIN (GRRV)	SENE	GRRV	U-41376	N1570
COYOTE BASIN 21-7-8-25	07	080S	250E	4304731673	11500	Federal	OW	S		COYOTE BASIN (GRRV)	NENW	WSTC	U-41377	N1570
COYOTE BASIN 32-6-8-25	06	080S	250E	4304731835	11500	Federal	WS	A		COYOTE BASIN (GRRV)	SWNE	DGCRK	U-020309D	N1570
FEDERAL 13-13	13	080S	240E	4304732196	11500	Federal	OW	S		COYOTE BASIN (GRRV)	NWSW	GRRV	U-67208	N1570
COYOTE FEDERAL 12-5	05	080S	250E	4304732253	11500	Federal	OW	S		COYOTE BASIN (GRRV)	SWNW	GRRV	U-063597-A	N1570
COYOTE FEDERAL 31-7	07	080S	250E	4304732254	11500	Federal	OW	S		COYOTE BASIN (GRRV)	NWNE	GRRV	U-020309-D	N1570
COYOTE FEDERAL 13-7	07	080S	250E	4304732255	11500	Federal	OW	P		COYOTE BASIN (GRRV)	NWSW	GRRV	U-41377	N1570
COYOTE FEDERAL 22-7	07	080S	250E	4304732256	11500	Federal	OW	S		COYOTE BASIN (GRRV)	SENE	GRRV	U-41377	N1570
COYOTE FEDERAL 33-5	05	080S	250E	4304732257	11500	Federal	OW	S		COYOTE BASIN (GRRV)	NWSE	GRRV	U-063597A	N1570
COYOTE FEDERAL 21-5	05	080S	250E	4304732260	11500	Federal	OW	S		COYOTE BASIN (GRRV)	NENW	GRRV	U-063597A	N1570
COYOTE FEDERAL 13-5	05	080S	250E	4304732261	11500	Federal	OW	S		COYOTE BASIN (GRRV)	NWSW	GRRV	U-063597A	N1570
COYOTE FED 42-6X	06	080S	250E	4304732346	11500	Federal	WI	A		COYOTE BASIN (GRRV)	SENE	GRRV	U-017439-B	N1570

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Exhibit A (Attached) List of Injectors in Coyote Basin Field	API Number Attached
Location of Well Footage : County : Uintah QQ, Section, Township, Range:	Field or Unit Name Coyote Basin Lease Designation and Number Attached
	State : UTAH

EFFECTIVE DATE OF TRANSFER: June 1<sup>st</sup> 2009

CURRENT OPERATOR

Company: P & M Petroleum Management N1570  
Address: 518 17th St Ste 1105  
city Denver state CO zip 80202  
Phone: (303) 260-7129  
Comments:

Name: Jerry Colley  
Signature: [Signature]  
Title: Managing Member  
Date: 5/14/09

NEW OPERATOR

Company: Advantage Resources, Inc. N3580  
Address: 1775 Sherman St. Ste 1700  
city Denver state CO zip 80203  
Phone: (303) 831-1912  
Comments:

Name: Brad C. Ackman  
Signature: [Signature]  
Title: VP  
Date: 5/14/09

RECEIVED

MAY 18 2009

(This space for State use only)

DIV. OF OIL, GAS & MINING

Transfer approved by: [Signature]  
Title: Geologist

Approval Date: 5/18/09

Comments:

There are wells are under EPA authority.  
Approval from EPA will be required.

Well Name	Section	Township-Range)	API Well Number	Entity No	Mineral Lease	Well Type	Well Status
AMERADA GUINAND 1	7	8S-25E	43-047-20245-00-00	11500	Federal	Water Injection Well	Active
EAST RED WASH FED 4-6	6	8S-25E	43-047-20261-00-00	11500	Federal	Water Injection Well	Active
COYOTE FED 42-6X	6	8S-25E	43-047-32346-00-00	11500	Federal	Water Injection Well	Active

Exhibit A - Injectors for UIC Form 5



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

4304732346  
Coyote Fed 42-6X  
T8S R 25E Sec 6

Ref: 8P-W-GW

SEP 03 2009

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Christine Pettinger  
Advantage Resources, Inc.  
1775 Sherman Street, Ste. 1700  
Denver, CO 80203

Re: Underground Injection Control  
Minor Modification No. 1  
Permit Transfer  
Area Permit UT20653-00000  
Includes wells:  
★ UT20653-03751/Federal 42-6X  
UT20653-04224/E. Red Wash Fed. 4-6-8-25  
UT20653-04225/Amerada Guinand 1-8-25

Dear Ms. Pettinger:

On August 3, 2009, the U.S. Environmental Protection Agency (EPA), Region 8, Underground Injection Control (UIC) program offices received notice from Advantage Resources, Inc. that they had purchased properties, including the referenced wells, from P&M Petroleum Management, LLC effective April 15, 2009. The purchase agreement includes P&M Petroleum's concurrence. Advantage requests the above referenced permits be transferred from P&M Petroleum to Advantage. EPA has reviewed the request and determined that Minor Modification of the permits is required. Advantage Resources, Inc. has met the financial responsibility requirements under Title 40 of the Code of Federal Regulations (40 CFR), Section 144.52(a)(7). Pursuant to 40 CFR §144.41(d), EPA hereby modifies area permit number UT20653-00000, including the above referenced wells, to reflect that Advantage Resources, Inc. is the permittee. This permit modification and a copy of the original permit are enclosed.

The original permit was issued to Equitable Resources Energy Company on February 18, 1994. Several changes in ownership occurred since then, including previous ownership by the Inland Production Company and by the P&M Petroleum Management, LLC. The EPA had not modified the permit to reflect these changes in ownership. It is because of this history that the modification to the original permit replaces the Equitable Resources Energy Company with Advantage Resources, Inc. and that a copy of this action is being sent to P&M Petroleum.

RECEIVED

SEP 10 2009

DIV. OF OIL, GAS & MINING

Currently the injection wells covered under this permit are:

EPA Identification Number

UT20653-03751

UT20653-04224

UT20653-04225

Well Name

Federal 42-6X

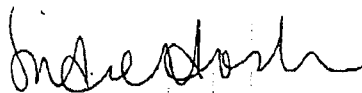
E. Red Wash Fed 4-6-8-25

Amerada Guinand 1-8-25

Please note that EPA permit number UT20653-00000 remains fully effective and enforceable and all other provisions and conditions of the permit remain as issued or modified.

If you have any questions concerning the Minor Modification 1, please call Bruce Suchomel or my staff at (303) 312-6001.

Sincerely,



for Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

Enclosures (original permit and modification)

cc: With Modification Enclosure Only

Jerry Calley, Managing Member  
P&M Petroleum Management, LLC  
518 17<sup>th</sup> Street, Suite 1105  
Denver, CO 80202

RECEIVED

SEP 10 2009

DIV. OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-017439-B
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> ADVANTAGE RESOURCES INC		<b>7. UNIT or CA AGREEMENT NAME:</b> COYOTE BASIN (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> 1775 Sherman St 1700 , Denver, CO, 80203		<b>8. WELL NAME and NUMBER:</b> COYOTE FED 42-6X
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1987 FNL 0682 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 06 Township: 08.0S Range: 25.0E Meridian: S		<b>9. API NUMBER:</b> 43047323460000
<b>9. FIELD and POOL or WILDCAT:</b> COYOTE BASIN		<b>COUNTY:</b> UINTAH
<b>STATE:</b> UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; padding: 2px;">Production Facility Plat</span>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/10/2011			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
  

Updated Production Facility Plat

Accepted by the

Utah Division of

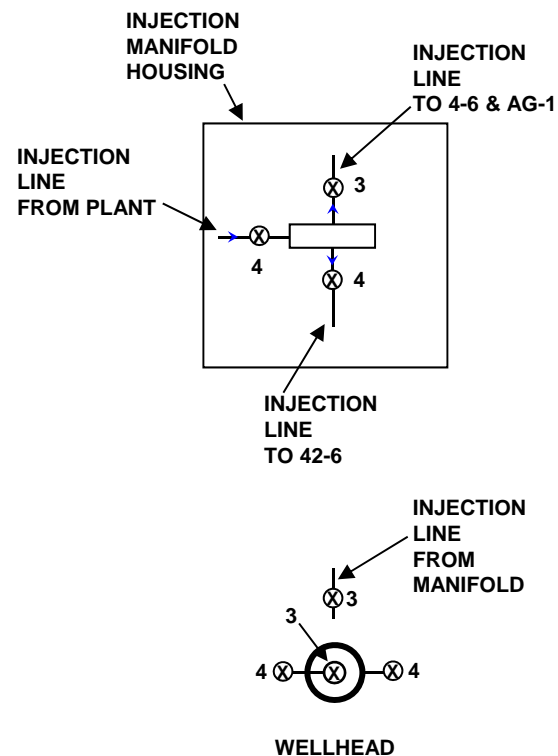
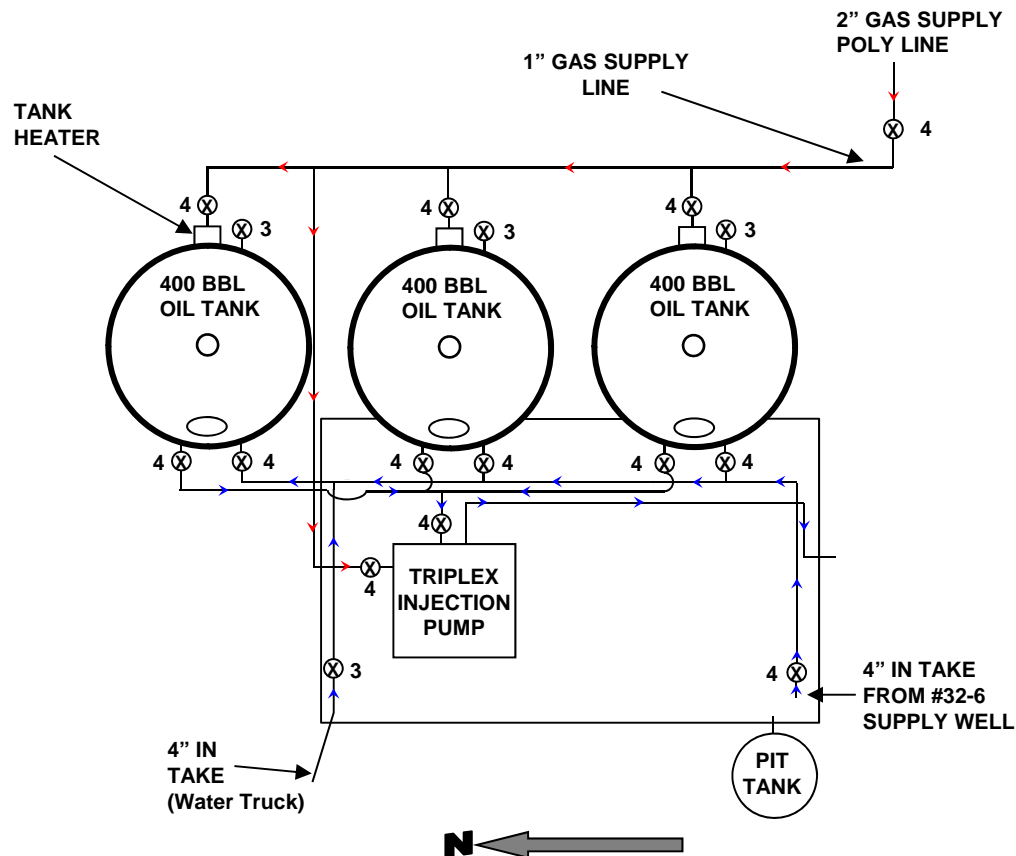
Oil, Gas and Mining

FOR RECORD ONLY

<b>NAME (PLEASE PRINT)</b> Brian W. Ackman	<b>PHONE NUMBER</b> 303 831-1912	<b>TITLE</b> VP Exploration
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/15/2011	

# PRODUCTION FACILITY DIAGRAM

**COYOTE FEDERAL #42-6X**  
**SE NE Sec. 6-8S-25E**  
**UINTAH COUNTY, UTAH**  
**FEDERAL LEASE: U-017439-B**



**PLAN LOCATED AT:**  
**ADVANTAGE'S**  
**DENVER OFFICE &**  
**42-6X INJECTION**  
**FACILITY**

◀ = Oil Flow Direction  
 ▶ = Gas Flow Direction  
 ◀ = Water Flow Direction

VALVE DESCRIPTION		
VALVE #	NO INJECT	DURING INJECT
1	OPEN	CLOSED
2	CLOSED	OPEN
3	CLOSED	CLOSED
4	CLOSED	OPEN

Nov. 15, 2011



**ADVANTAGE RESOURCES, INC.**

1775 Sherman Street, Suite 1700  
 Denver, CO. 80203  
 303-831-1912  
 December 2011



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-017439-B
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> ADVANTAGE RESOURCES INC		<b>7. UNIT or CA AGREEMENT NAME:</b> COYOTE BASIN (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> 1775 Sherman St 1700 , Denver, CO, 80203		<b>8. WELL NAME and NUMBER:</b> COYOTE FED 42-6X
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1987 FNL 0682 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 06 Township: 08.0S Range: 25.0E Meridian: S		<b>9. API NUMBER:</b> 43047323460000
<b>9. FIELD and POOL or WILDCAT:</b> COYOTE BASIN		<b>COUNTY:</b> UINTAH
<b>STATE:</b> UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
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<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/10/2011			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
  

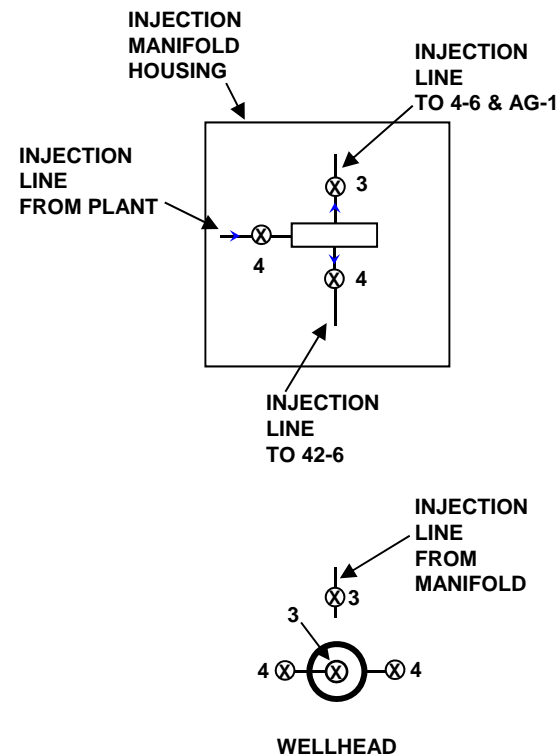
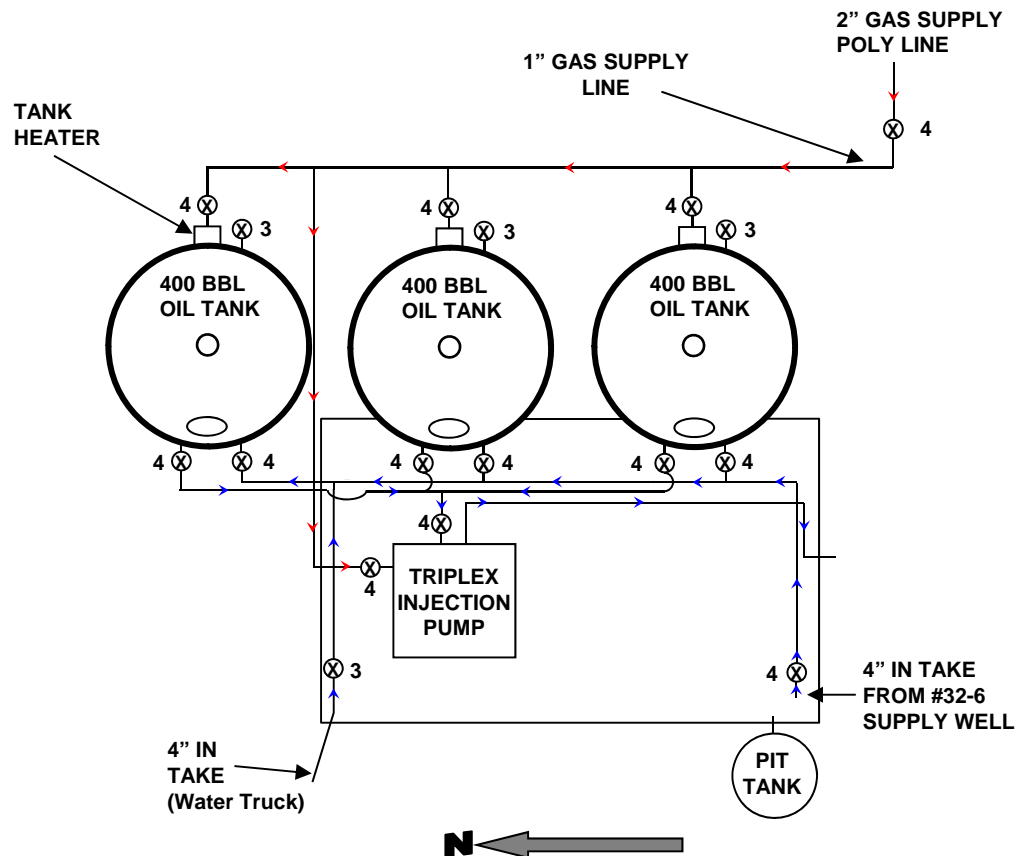
Updated Production Facility Plat

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**

<b>NAME (PLEASE PRINT)</b> Brian W. Ackman	<b>PHONE NUMBER</b> 303 831-1912	<b>TITLE</b> VP Exploration
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/15/2011	

# PRODUCTION FACILITY DIAGRAM

**COYOTE FEDERAL #42-6X**  
**SE NE Sec. 6-8S-25E**  
**UINTAH COUNTY, UTAH**  
**FEDERAL LEASE: U-017439-B**



**PLAN LOCATED AT:**  
**ADVANTAGE'S**  
**DENVER OFFICE &**  
**42-6X INJECTION**  
**FACILITY**

◀ = Oil Flow Direction  
 ▶ = Gas Flow Direction  
 ◀ = Water Flow Direction

VALVE DESCRIPTION		
VALVE #	NO INJECT	DURING INJECT
1	OPEN	CLOSED
2	CLOSED	OPEN
3	CLOSED	CLOSED
4	CLOSED	OPEN

Nov. 15, 2011



**ADVANTAGE RESOURCES, INC.**

1775 Sherman Street, Suite 1700  
 Denver, CO. 80203  
 303-831-1912  
 December 2011

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-017439-B
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> ADVANTAGE RESOURCES INC		<b>7. UNIT or CA AGREEMENT NAME:</b> COYOTE BASIN (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> 1775 Sherman St 1700 , Denver, CO, 80203		<b>8. WELL NAME and NUMBER:</b> COYOTE FED 42-6X
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<b>9. FIELD and POOL or WILDCAT:</b> COYOTE BASIN		<b>COUNTY:</b> UINTAH
<b>STATE:</b> UTAH		

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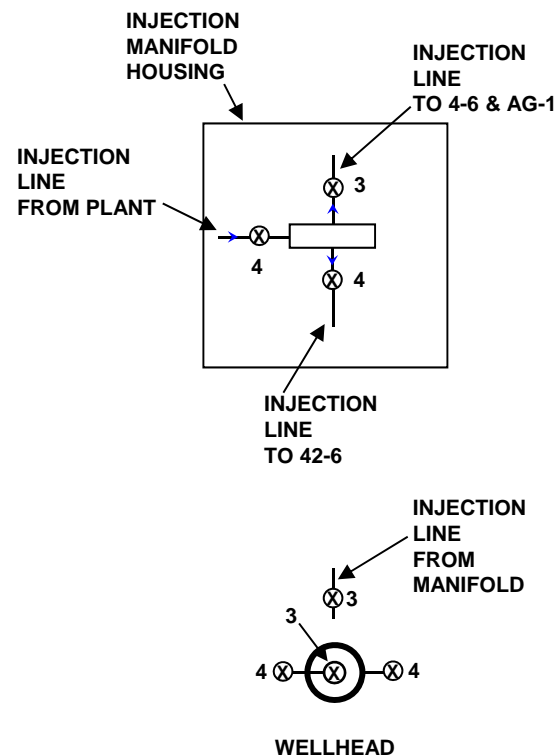
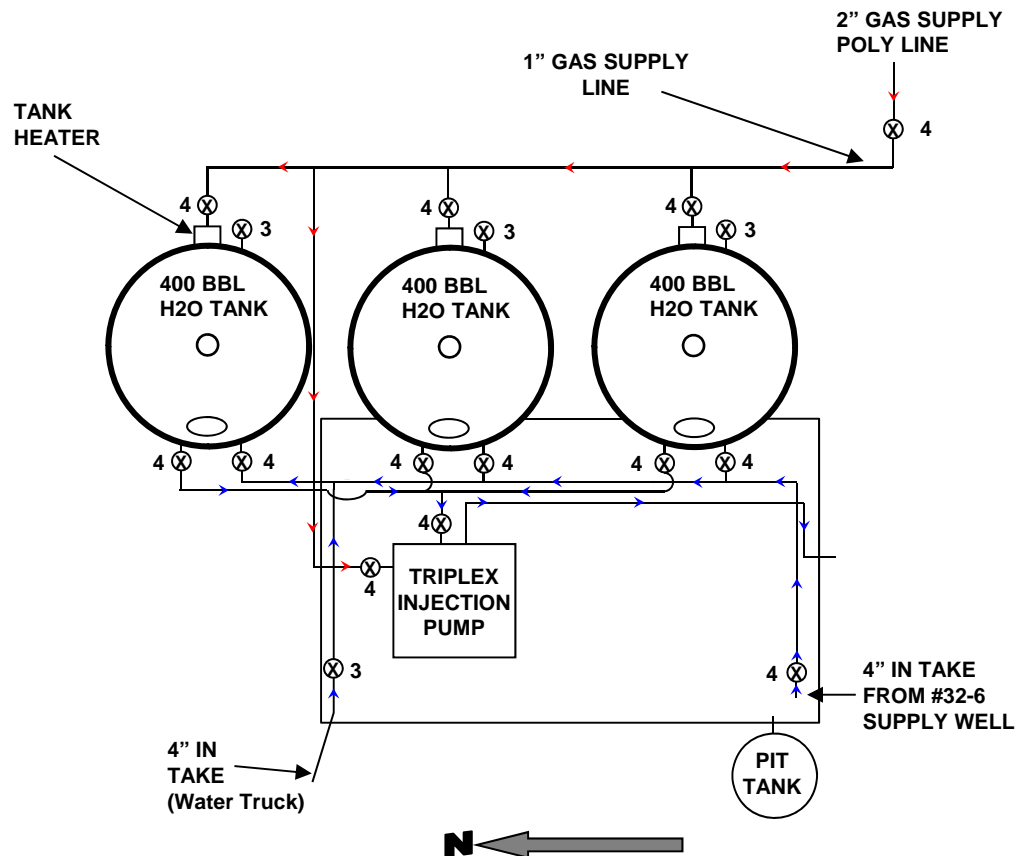
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
  
 Revised Production Facility Plat - This Plat replaces the previous plat that misidentified the three 400 bbl water tanks as oil tanks.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**

<b>NAME (PLEASE PRINT)</b> Brian W. Ackman	<b>PHONE NUMBER</b> 303 831-1912	<b>TITLE</b> VP Exploration
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/17/2011	

# PRODUCTION FACILITY DIAGRAM

**COYOTE FEDERAL #42-6X**  
**SE NE Sec. 6-8S-25E**  
**UINTAH COUNTY, UTAH**  
**FEDERAL LEASE: U-017439-B**



**PLAN LOCATED AT:  
 ADVANTAGE'S  
 DENVER OFFICE &  
 42-6X INJECTION  
 FACILITY**

◀ = Oil Flow Direction  
 ▶ = Gas Flow Direction  
 ◀ = Water Flow Direction

VALVE DESCRIPTION		
VALVE #	NO INJECT	DURING INJECT
1	OPEN	CLOSED
2	CLOSED	OPEN
3	CLOSED	CLOSED
4	CLOSED	OPEN

Nov. 17, 2011



**ADVANTAGE RESOURCES, INC.**

1775 Sherman Street, Suite 1700  
 Denver, CO. 80203  
 303-831-1912  
 December 2011

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

ROUTING  
 CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**8/1/2012**

**FROM: (Old Operator):**

N3580- Advantage Resources, Inc.  
 1775 Sherman Street, Suite 1700  
 Denver, CO 80203

Phone: 1 (303) 831-1912

**TO: ( New Operator):**

N3890- Wold Oil Properties, Inc.  
 139 West 2nd Street, Suite 200  
 Casper, WY 82601

Phone: 1 (307) 265-7252

CA No.

Unit:

Coyote Basin (GRRV)

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/24/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/24/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 10/15/2012
- Is the new operator registered in the State of Utah: Business Number: 8351065-0143
- (R649-9-2) Waste Management Plan has been received on: N/A
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 10/15/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 10/3/2012

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 10/15/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 10/15/2012
- Bond information entered in RBDMS on: N/A
- Fee/State wells attached to bond in RBDMS on: N/A
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: 10/3/2012

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: UTB000513
- Indian well(s) covered by Bond Number:
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number N/A
- The **FORMER** operator has requested a release of liability from their bond on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

Advantage Resources, Inc. (N3580) to Wold Oil Properties, Inc. (N3890)  
Effective

Well Name	Sec	TWP	RNG	API Number	Entity	Lease	Well Type	Well Status
AMERADA GUINAND 1	07	080S	250E	4304720245	11500	Federal	WI	A
EAST RED WASH FED 4-6	06	080S	250E	4304720261	11500	Federal	WI	A
<b>COYOTE BASIN 32-6-8-25</b>	06	080S	250E	4304731835	11500	Federal	WS	A
COYOTE FED 42-6X	06	080S	250E	4304732346	11500	Federal	WI	A
COYOTE BASIN 7-7	07	080S	250E	4304752111		Federal	OW	APD
COYOTE BASIN 11-7	07	080S	250E	4304752112		Federal	OW	APD
COYOTE BASIN 2-13	13	080S	240E	4304752113		Federal	OW	APD
COYOTE BASIN 6-13	13	080S	240E	4304752114		Federal	OW	APD
COYOTE BASIN FED 14-13	13	080S	240E	4304752115		Federal	OW	APD
FEDERAL 14-4	04	080S	250E	4304715678	11500	Federal	OW	P
COYOTE BASIN 43-12-8-24	12	080S	240E	4304730943	11500	Federal	OW	P
COYOTE BASIN FED 12-13	13	080S	240E	4304731266	11500	Federal	OW	P
TXO FEDERAL 1	05	080S	250E	4304731406	11500	Federal	OW	P
COYOTE BASIN 21-7-8-25	07	080S	250E	4304731673	11500	Federal	OW	P
FEDERAL 13-13	13	080S	240E	4304732196	11500	Federal	OW	P
COYOTE FEDERAL 31-7	07	080S	250E	4304732254	11500	Federal	OW	P
COYOTE FEDERAL 13-7	07	080S	250E	4304732255	11500	Federal	OW	P
COYOTE FEDERAL 22-7	07	080S	250E	4304732256	11500	Federal	OW	P
COYOTE FEDERAL 33-5	05	080S	250E	4304732257	11500	Federal	OW	P
COYOTE 1-12	12	080S	240E	4304720221	11500	Federal	OW	PA
E RED WASH 1-5	05	080S	250E	4304720174	11500	Federal	OW	S
E RED WASH FED 1-12	12	080S	240E	4304720207	11500	Federal	OW	S
E RED WASH FED 1-6	06	080S	250E	4304720208	11500	Federal	OW	S
E RED WASH FED 1-13	13	080S	240E	4304720222	11500	Federal	OW	S
COYOTE FEDERAL 21-5	05	080S	250E	4304732260	11500	Federal	OW	S
COYOTE FEDERAL 13-5	05	080S	250E	4304732261	11500	Federal	OW	S
TXO FEDERAL 2	05	080S	250E	4304731567	11500	Federal	OW	TA
COYOTE FEDERAL 12-5	05	080S	250E	4304732253	11500	Federal	OW	TA

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

2. NAME OF OPERATOR:

WOLD OIL PROPERTIES, INC. N3890

3. ADDRESS OF OPERATOR:

139 W. 2ND ST, STE 200

CITY CASPER

STATE WY

ZIP 82601-2462

PHONE NUMBER:

(307) 265-7252

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

BOND # UTB 000 513

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SEE

EXH B

STATE:

UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:

See Exhibit B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

See Exhibit B

9. API NUMBER:

Exhibit B

10. FIELD AND POOL, OR WILDCAT:

COYOTE BASIN

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

8/11/2012

☐ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Signature

Name (Please Print) Brian W. Ackman

Title: Sec.

Date: 9/19/2012

ADVANTAGE RESOURCES, INC.

#N3580

1775 Sherman St, #1700, Denver, CO 80203

(303) 831-1912

N3580

NAME (PLEASE PRINT)

KEVIN MEENAN

TITLE

CORPORATE SECRETARY

SIGNATURE

DATE

9/18/12

(This space for State use only)

APPROVED

OCT 15 2012

DIV. OIL GAS & MINING  
BY: Rachel Medina

## Exhibit B - Wells

<u>Well Name</u>	<u>API Number</u>	<u>Twp</u>	<u>Rng</u>	<u>Sec</u>	<u>Desc</u>	<u>Status</u>	<u>ARI Lease No.</u> <u>80039-</u>	<u>State/BLM</u> <u>Lease No.</u>
Coyote Basin 43-12-8-24	43 047 30943	8 S	24 E	12	NE SE	P	80039-003-01	UTU 038797
Coyote Basin Fed 12-13	43 047 31266	8 S	24 E	13	SW NW	P	80039-004-01	UTU 018073
Federal 13-13	43 047 32196	8 S	24 E	13	NW SW	P	80039-007-01	UTU 67208
Coyote Federal 21-5	43 047 32260	8 S	25 E	5	NE NW	OGW	80039-009-01	UTU 063597A
E Red Wash 1-5	43 047 20174	8 S	25 E	5	SE NW	OGW	80039-009-01	UTU 063597A
TXO Federal 1	43 047 31406	8 S	25 E	5	SW NE	P	80039-008-01	UTU 41376
Coyote Federal 33-5	43 047 32257	8 S	25 E	5	NW SE	P	80039-009-01	UTU 063597A
Coyote Federal 13-5	43 047 32261	8 S	25 E	5	NW SW	OGW	80039-009-01	UTU 063597A
Coyote Federal 31-7	43 047 32254	8 S	25 E	7	NW NE	SI	80039-013-01	UTU 020309D
Coyote Basin 21-7-8-25	43 047 31673	8 S	25 E	7	NE NW	P	80039-012-01	UTU 41377
Coyote Federal 22-7	43 047 32256	8 S	25 E	7	SE NW	P	80039-012-01	UTU 41377
Coyote Federal 13-7	43 047 32255	8 S	25 E	7	NW SW	P	80039-012-01	UTU 41377
E Red Wash Fed 1-12	43 047 20207	8 S	24 E	12	SW NE	SI	80039-003-01	UTU 038797
Coyote 1-12	43 047 20221	8 S	24 E	12	NE SW	P&A		UTU 58226
E Red Wash Fed 1-13	43 047 20222	8 S	24 E	13	NE NW	SI	80039-004-01	UTU 018073
Federal 14-4	43 047 15678	8 S	25 E	4	SW SW	P	80039-008-01	UTU 41376
Coyote Federal 12-5	43 047 32253	8 S	25 E	5	SW NW	SI	80039-009-01	UTU 063597A
TXO Federal 2	43 047 31567	8 S	25 E	5	SE NE	SI	80039-008-01	UTU 41376
E Red Wash Fed 1-6	43 047 20208	8 S	25 E	6	NE SE	SI	80039-011-01	UTU 017439B
Coyote Fed 42-6X	43 047 32346	8 S	25 E	6	SE NE	Inj	80039-011-01	UTU 017439B
E Redwash 4-6	43 047 20261	8 S	25 E	6	SW SE	Inj	80039-013-01	UTU 020309D
Amerada Guinand 1	43 047 20245	8 S	25 E	7	SW NW	Inj	80039-016-01	UTU 016271V
Coyote Basin 32-6	43 047 31835	8 S	25 E	6	SW NE	Wtr	80039-013-01	UTU 020309D
<b><u>Permitted Wells</u></b>								
Coyote Basin 7-7	43 047 52111	8 S	25 E	7		Permit		UTU 020309D
Coyote Basin 11-7	43 047 52112	8 S	25 E	7		Permit		UTU 41377
Coyote Basin 6-13	43 047 52114	8 S	24 E	13		Permit		UTU 018073
Coyote Basin 2-13	43 047 52113	8 S	24 E	13		Permit		UTU 038797
Coyote Basin Fed 14-13	43 047 52115	8 S	24 E	13		Permit		UTU 67208



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
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UIC FORM 5

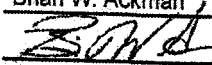
TRANSFER OF AUTHORITY TO INJECT

Well Name and Number Coyote Fed 42-6X	API Number 43-047-32346
Location of Well Footage: 1986' FNL & 682' FEL County: Uintah	Field or Unit Name Coyote Basin
QQ, Section, Township, Range: SENE 6 8S 25E State: UTAH	Lease Designation and Number U-017439-B

EFFECTIVE DATE OF TRANSFER: 9-28-2012

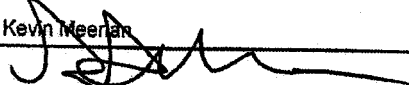
CURRENT OPERATOR

Company: Advantage Resources, Inc  
Address: 1775 Sherman St., Suite 1700  
city Denver state CO zip 80203  
Phone: 303-831-1912  
Comments:


Name: Brian W. Ackman  
Signature:   
Title: V.P. Exploration  
Date: 9-27-2012

NEW OPERATOR

Company: Wold Oil Properties, Inc.  
Address: 139 W. 2nd Street, Suite 200  
city Casper state WY zip 82601  
Phone: 307-265-7252  
Comments:

Name: Kevin Meeran  
Signature:   
Title: V.P. Land Secretary  
Date: 9-27-2012

(This space for State use only)

Transfer approved by:   
Title: UIC Geologist

Approval Date: 10/9/12

Comments:

EPA approval is also needed

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